HTP America Inc.

9th Edition

Everything **for WELDING**

800-USA-WELD
www.usaweld.com

$2.00

Letter from the President

Welcome to the electronic version of our 9th Edition catalog! The latest and most thorough offering of welding equipment and accessories. Within these pages, we're sure you'll find products that will meet your needs and your budget.

Since HTP America opened for business in 1981, welding and its technologies have undergone dramatic changes. Now, 28 years and thousands of satisfied customers later, our aim and business philosophy hasn't changed. Day in and day out, we continually try to bring you the best welding products at the best possible prices.

Consider our breakthrough Striker Auto-Darkening helmets. When we introduced them, years ago, they set the industry on fire. Our newest Striker helmet — the Striker CF — has a full 6-1/2 square inch viewing area, is extremely lightweight, adjusts from shade 8 to shade 13, has a plasma cutting feature and an attractive carbon-fiber like shell. See page 63 to check it out.

And make sure you don't miss these other popular HTP products:

• The MTS 160 — a great, new power source that's actually three powerful welders (MIG, TIG and Stick) in one, handy, portable unit. (Page 3)

• Invertig TIG Welders — Four TIG welders featuring inverter power supplies that are the wave of the future in TIG welding. Conventional transformer machines just can't compare! (Pages 4-7)

• Plasma cutters that deliver maximum cutting power and speed, are lightweight and compact, but won't break the bank. (Pages 27-29)

Our emphasis on value doesn't mean we cut corners on quality. For proof, look no further than the four-gear drive system found on our MIG 2400 welder. Our emphasis on quality is also evidenced in our MIG transformers. No short cuts here . . . every one of them is still wound 100% with copper.

In the future, we plan to do everything possible to continue providing you with the most bang for your buck, no matter what your welding need.

The coming year promises to be an exciting one. There's a variety of great, new products on the way. Plus, in a few months you'll be able to access our newly developed web site, www.usaweld.com. It's part of our growing emphasis on electronic marketing and our drive to make both your buying decision and your purchase quicker and easier. Look for our new web site shortly.

Thanks for your continued support.

Jeff Noland, President

Four Roller Gear Drive Feed System (page 17)

Invertig 201 (page 4)

Micro Cut 875S (page 30)

MTS 160 #60160MTS List $1449.00 **Sale $1199.00**

It's a total breakthrough from HTP – a great, new power source that's actually three welders in one! You read that right. Our new MTS 160 – M for MIG, T for TIG and S for Stick – is actually three powerful welders (MIG, TIG, and Stick) in one, handy, portable unit.

This advanced inverter power source weighs in at only 39 lbs. and will run on a 20-amp 220-volt single-phase outlet. Plus, its compact cabinet measures just 16 1/2" long, 8 1/4" wide and 13 1/4" high, so you can take this little powerhouse anywhere.

This MTS 160 is perfect for plant maintenance applications where multiple processes are required for various repair situations. It's also an excellent welder for the home shop where physical space is an issue. Imagine . . . with one, go-anywhere cabinet, you can replace three different machines!

With a duty cycle of 40% @ 160 amps, this unique machine works as hard as you do. It welds both solid wires and flux-cored wires in the MIG mode. It TIG welds steel, stainless steel and 4130 chrome moly tubing in the DC touch start mode. And the smooth DC stick welder features an adjustable hot start for easy arc starting! The MTS 160 comes with a two year warranty.

Put versatility in your hands with the HTP MTS 160 and get the job done quick and right!

10' MIG Welding Gun	15100	Included w/welder
TIG Torch	SR17-12.5MTS	$ 120.00
Arc Welding Clamp	22315-ARCMTS	$ 35.00

SPECIFICATIONS MTS 160 #60160MTS

	MIG	TIG	Stick
Input Power		220 volts = +/- 15%	
Input Amperage	22	18	23
Welding Thickness	5/16"	1/4"	3/16"
Open Circuit Voltage	17-26	58	58
Duty Cycle	40% @ 150 amps 100% @ 120 amps	40% @ 160 amps 100% @ 120 amps	60% @ 135 amps 100% @ 120 amps
Cooling		Dual Fan – Forced Air	
Wire Diameter		.023"-.030"	
Size		16 1/2" L, 8 1/4" W and 13 1/4" H	
Weight		39 lbs.	

Invertig 201 AC/DC #70201-12.5

List $3095.00 **Sale $2395.00**

Water Cooled Version #70201-12.5WC
List $3895.00 **Sale $2895.00**

Your choice of hand amptrol or foot pedal.

Now, today's most revolutionary TIG welder can be yours! It's the Invertig 201 from HTP and it's one unbelievable piece of equipment. By incorporating advanced inverter technology in the design of this state-of-the-art machine, we are able to get a whopping 200 amps of raw welding power, yet pull only 30 amps out of the wall! That's right, a mere 30 amps. The Invertig 201 is so energy efficient, the state of California should be paying our customers to use it. Compared to competitive transformer machines, the Invertig 201 uses 60% less electricity. That's right . . . our Invertig 201 is able to produce 200 amps of welding power while using a whopping 60% less electricity!

What's more, the Invertig 201 comes standard with features the competition doesn't even offer! For example, most conventional AC/DC TIG welders, when in the AC mode, have a fixed frequency of 60Hz (just like your standard house current). With the Invertig 201, you can vary the AC frequency from 20 Hz to 200 Hz while maintaining a square wave throughout the complete range. Balance is also fully adjustable from 10% to 90%, a much wider range than possible with conventional transformer machines.

The Invertig 201 probably has the best low end in the business – all the way down to 4 amps. Inverter technology produces a smooth, stable arc, making intricate work on mild steel, chrome moly, stainless steel and Inconel a breeze. Plus, with variable frequency in AC, the machine produces unparalleled results when welding thin aluminum. Pulsing is standard, with a pulsing frequency from 0.4 to 300 Hz in the DC mode and .4 to 2 Hz in the AC mode.

The Invertig 201 has the ability to store 99 user defined welding programs. This really makes it easy in a production environment to quickly change from one job to the next. And for someone that is not using their Invertig 201 every day, if they find a set of parameters that works for an application, say thin aluminum, then they can program that mode in and with a few keystrokes, retrieve those exact settings. You could have a setting for thin aluminum, thin steel, 1/4" steel and so on.

Conventional arc welding is really simple with the Invertig 201. Using the stick mode in conjunction with the foot pedal, allows you to vary the welding amperage. Perfect when doing pipe welding!

Select the touch start mode for welding aluminum or any other material without High Frequency. This is important if your application takes you near sensitive electronic equipment, such as on-site repairs in a hospital or repairing aluminum vehicles with on-board computers.

This package of power weighs just 68 lbs and fits into a cabinet measuring 20" long by 9 ½" wide by 21" high. Because it only draws 30 amps on 220 volts, you can take it right to the work. The machine comes standard with a 12 ½' long 17 Series air-cooled TIG torch, a foot pedal with 12 ½' cable, flowmeter and 70 minute TIG DVD. The Invertig 201 also comes with a three year warranty.

Optional accessories include:

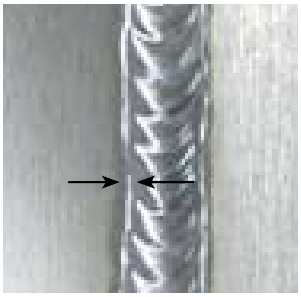
• 25' long, 17 Series air-cooled TIG torch with a 25' foot pedal.	**$35.00**
• 25' Ground with Clamp	**$60.00**
• 15' Ground extension	**$50.00**
• 25' or 12 ½' long, 20 Series water-cooled torch.	
• Water cooler.	
• Hand amp control with either slider or rotary control.	**$35.00**
• 16 gauge, heavy duty cart with bottle tray.	**$275.00**
• Consumable Kit for torches	**$55.00**
• Pyrex Cup Kit	**$55.00**
• Machine Cover for Invertig 201	**$44.95**

The advanced technology found in the Invertig 201 will allow you to produce professional quality welds in all types of metal – quickly, easily and affordably.

Shown with standard foot pedal, optional cart, and optional water cooler.

Conventional transformer TIG welders use a pure tungsten electrode which forms a ball when welding AC. With an inverter, setting the balance to 90% and the frequency to 200 Hz allows you to use a 2% ceriated tungsten sharpened to a point. This:

- Allows the arc to jump from a point instead of a ball which provides unparalleled arc stability and reduces "arc wandering".
- Produces a more focused arc, resulting in a narrower bead and making it much easier to weld inside corners.
- Minimizes the heat affected zone as the heat is more concentrated, making it easier for both the novice and professional to weld thin materials.



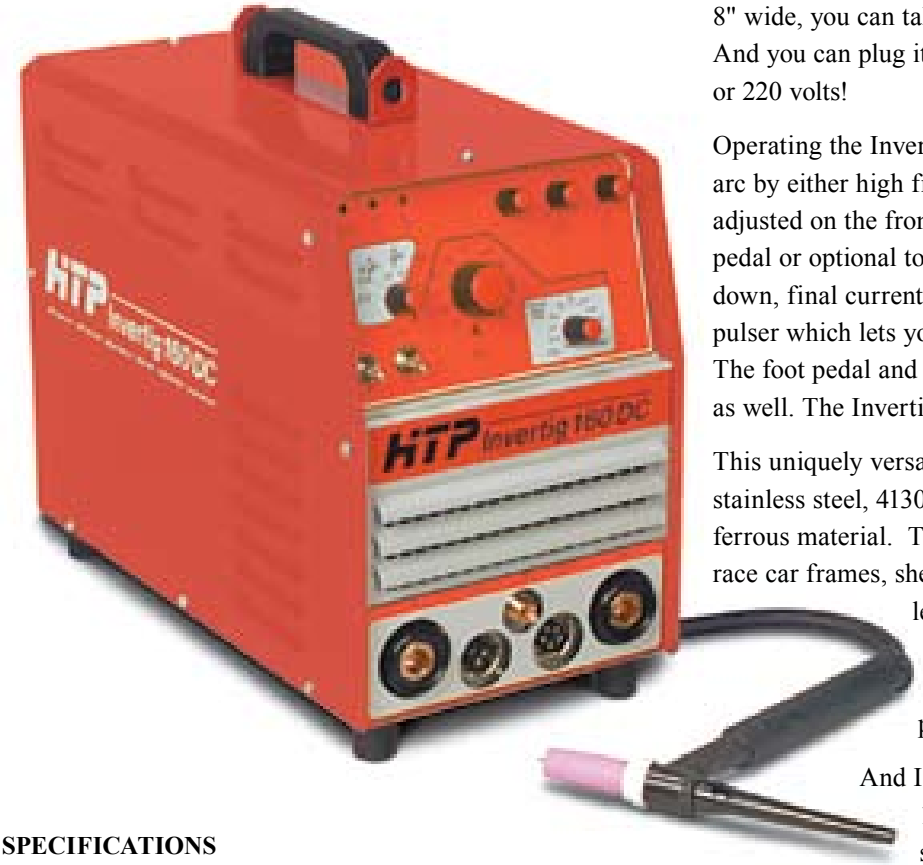
Invertig 201

Conventional Transformer TIG Welder

INVERTIG 201
SPECIFICATIONS #70201-12.5

Input Voltage	230 volts +/-20%
Input Amperage	30 amps
Output Amperage	4 to 200 amps
Maximum Thickness – Steel Aluminum	3/8" 1/4"
Duty Cycle	35% @ 200 amps 60% @ 160 amps 100% @ 135 amps
No Load Voltage	65 volts
Arc Voltage	10 to 18 volts
Torch Length & Type	17 series 12.5' long
Foot Pedal Length	12.5'
Slope Down	0.1 to 10 sec
Pre-Gas Flow	0.5 sec
Post Gas Flow	2 to 20 sec
Final Current	0 to 99 amps
DC Pulsing Frequency	0.4 to 300 Hz
AC Pulsing Frequency	0.4 to 2 Hz
Pulsing Duty Cycle	65% - 30%
Pulsing Base Current	10% - 90%
AC Frequency	20 to 200 Hz
Balance Control	10 to 90%
Weight	68 lbs.
Size	20" L x 9 1/2" W x 21" H

Invertig 160DC #70160DC-12.5 List $1549.00 **Sale $1299.00**



Looking for a full feature TIG welder that can weld steel and any other ferrous material? Enter the Invertig 160DC! This compact powerhouse weighs in at only 32 lbs. and measures just 16" long x 12 1/2" high x 8" wide, you can take this handy, do-it-all machine anywhere. And you can plug it in anywhere too, since it operates on 110 or 220 volts!

Operating the Invertig 160 is just as easy. You can start your arc by either high frequency or touch start. Amperage can be adjusted on the front of the welder or remotely with the foot pedal or optional torch mounted amperage control. Slope down, final current and post gas flow are standard, as is a pulser which lets you DC pulse TIG from 0.5Hz to 300Hz. The foot pedal and torch are both available in 25' lengths as well. The Invertig 160 comes with a two-year warranty.

This uniquely versatile machine is perfect for welding steel, stainless steel, 4130 chrome moly tubing, or any other ferrous material. The Invertig 160DC is recommended for race car frames, sheet metal fabrication, aircraft work, stainless steel kitchen fabrication, custom bicycle fabrication, dairy applications and a lot more – in other words, anywhere a precision TIG weld must be made.

And I almost forgot, if you buy an Invertig 160DC, you can list that old buzz box sitting in the corner on E-bay, since the Invertig 160DC is a great DC stick machine, too.

So if you're looking for a precision TIG welder that's loaded with features and won't bust your budget, then look no further . . . the HTP Invertig fits the bill just perfectly.

SPECIFICATIONS

Invertig 160DC #70160DC-12.5		
Input Voltage	110 volts	220 volts
Input Amperage	30 amps	18 amps
Amperage Range	5-140 amps	5-160 amps
Maximum Thickness	5/16"	
Duty Cycle	60%@140 amps 100%@120 amps	40%@160 amps 100%@120 amps
No Load Voltage	90 volts	
Welding Voltage	10 – 16.4 volts	
Arc Force	35%	
Hot Start	35%	
Slope Down	0.3 – 6.0 sec	
Pre Gas	0.5 sec	
Post Gas	3 – 20 sec	
Pulsing Frequency	0.5 to 300 Hz	
Final Current	10% to 90%	
Spot Welding Time	0.3 – 6.0 sec	
Torch Type & Length	17 Series – 12.5' long	
Foot Pedal Length	12.5'	
Weight	32 lbs.	
Dimensions	16"L x 12 1/2"H x 8"W	

Invertig 130 DC/HF and 130 DC/L

Invertig 130 DC/HF #70130DCHF List $1095.00 **Sale $849.95**
Invertig 130 DC/L #70130DCL List $895.00 **Sale $674.95**

You have to see it to believe it! Two combination TIG/stick welders delivering an impressive 130 amps of high performance DC TIG welding power packaged in a compact, 11 lb., go-anywhere cabinet. It's the new Invertig 130 DC/HF and Invertig DC/L from HTP America and you'll be happy to know that its affordable price tag is equally hard to believe.

Invertig 130 DC/HF

Invertig 130 DC/L

Sounds good so far, but can the Invertig 130 DCs handle the wide range of jobs you might run into? No sweat! Able to weld up to 3/16" steel, these little workhorses are the ultimate machines for Chrome Moly roll cage fabrication in drag race cars, custom motorcycle tanks, fenders and frames, air frame fabrication out of either Chrome Moly or mild steel tubing for experimental aircraft, custom automotive frame and sheet metal fabrication and restoration, stainless steel kitchen and dairy fabrication as well as any other application which might require TIG or stick welding.

There are any number of other reasons why the Invertig 130 DCs belong at the top of your short list. First of all, both machines give you 5 to 130 amps of infinitely adjustable, remote foot pedal controlled, welding power to make your projects not just easier, but more precise. The Invertig 130 DC/L features touch start arc starting to make arc starting easier. Gas flow is controlled by a valve on the tig welding torch.

The Invertig 130 DC/HF features high-frequency non-contact arc starting. This delivers operating ease which completely eliminates the possibility of tungsten contamination. The 130 DC/HF also features touch start arc starting for welding applications where high-frequency starting can not be used. A gas solenoid valve is standard, eliminating the manual operation of a gas valve on the torch.

Both machines come complete with a 12 1/2' long 9 Series super-flex high-performance TIG torch, foot pedal with 12 ft cable, flowmeter, gas hose, ground cable and one year warranty. So if you are looking for a high performance TIG welder at an affordable price, look no further than the Invertig 130DC/HF or the Invertig 130DC/L.

SPECIFICATIONS

	Invertig 130 DC/HF	**Invertig 130 DC/L**
Part #	70130DC/HF	70130DC/L
Input Voltage	230 volts +/- 10%	
Input Amperage (max)	25 amps	
Maximum Thickness	3/16"	
Amperage Range	5 - 130 amps	
Duty Cycle	15% @ 130 amps 100% @ 63 amps	
No Load Voltage	93 volts	
Welding Voltage - Stick	20.2 - 24.8 volts	
Welding Voltage - Tig	10.2 - 15.2 volts	
Arc Force	0 - 100%	Fixed
Slope Down	0.1 - 10.0 sec	Fixed
Torch Type & Length	SR-9 – 12.5'	SR-9V – 12.5'
Remote Amperage Control	Foot Pedal with 12' Cable - Std. Hand Control - Optional	
Weight	11 lbs.	9 lbs.
Dimensions	13 1/4" L x 4 1/2" W x 9 1/4" H	13 1/4" L x 6" W x 9 1/4" H

TIG Torch Holder #90190 TIG List $24.95 **Sale $14.95**
Keep your work station organized! This handy magnetic based TIG Torch Holder is an easy way to keep your TIG torch close at hand, but not in the way. Ever lay your TIG torch on the welding table, only to have it fall off and break the cup? The TIG Torch Holder is the solution! You can easily keep your torch close and your fabrication area in order with the HTP TIG torch holder.

TIG Welding Gloves

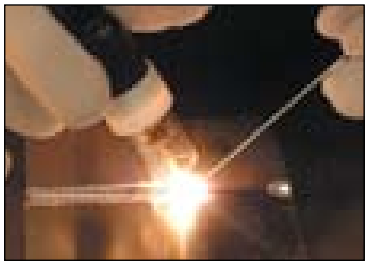
Getting the perfect weld isn't just about the right equipment, it's about you, too. Any welding job is easier and the finished result is better when you are comfortable and have the correct "feel". That's where HTP's premium quality deerskin welding gloves come in. They're soft and supple, giving you a superior level of control and making it easier for you to work the filler rod. Get outstanding results . . . get a pair, or two, today! Available in Large and Extra Large.

25BL	Large Tig Gloves	List $16.80	**Sale $12.60**
25BXL	XL Tig Gloves	List $16.80	**Sale $12.60**

TIG Welding Machine Covers
Your HTP TIG welder is an essential part of your shop. So why not protect it with a durable, water-resistant, non-flammable machine cover? Made from marine vinyl, polyester-backed, these covers are specially crafted to protect your machine from moisture, dust and other harmful workshop elements. For convenience, each cover includes a series of cutouts that allow the TIG torch, foot pedal and ground to stay connected while the cover is in place. Protect the finish of your TIG welder . . . it's easy with an HTP machine cover.

Cover For	Part #	Retail	Sale
Invertig 201	70201 Cover RV	$66.00	**$44.95**
Invertig 160DC	70160DC Cover RV	$66.00	**$44.95**
Invertig 70130DCHF	70130DC Cover RV	$66.00	**$44.95**
Invertig 70130DCL	70130DC Cover RV	$66.00	**$44.95**

HTP TIG DVD #99000T *"Welcome to the World of TIG Welding"* $29.95



HTP is proud to bring you our DVD *Welcome to the World of TIG Welding.* This informative 70 minute DVD really brings you up to speed on TIG welding. If you are thinking about purchasing a TIG welder, the money spent on this DVD may very well save you hundreds of dollars by helping you select the correct machine for your application. If you already have a TIG welder, the DVD gives you a through the helmet view of TIG welding.

The DVD opens with the different models of HTP TIG welders, and explains the differences between them (AC or DC, HF starting or scratch starting, remote amperage control – do you know what you need?) We then cover TIG Torches and the correct assembly of collets, collet bodies, alumina cups and tungsten on the torch, along with specialty torches.

The DVD then goes into the front panel controls, and explains slope up and down, post flow, final current and pulsing. On the AC side, frequency and balance are explained in detail. Then we give you a welder's eye view of the TIG welding process, looking through our Striker Digital helmet, as if you are doing it yourself. We start out by running a bead, then a bead with filler, butt weld, lap weld, and fillet weld, in both steel and aluminum.

If you purchase the TIG DVD, and then decide to purchase an HTP TIG welder, we will credit the purchase price of the DVD towards the purchase of the welder. So how can you lose?

Tig Filler Rod

Filler Rod for TIG Welding
In TIG welding, the filler rod is fed into the molten puddle by hand. The choice of filler rod is extremely important as the rod must correctly match the material and alloy you will be welding. The thickness of the material to be welded determines the diameter of the filler rod.

Here are some good rules of thumb to help you select the correct filler metal:

1. 4043 is a good general filler metal for most aluminum applications. Remember 2xxx and 7xxx series aluminum is generally not recommended if the application requires welding.
2. 5356 is used for 5xxx series aluminum and is generally preferred if the finished piece will be anodized.
3. ER70S-6 is generally used for mild steel welding.
4. ER70S-2 is highly recommended for welding 4130 chrome moly tubing in many applications.
5. ER80S-D2 is recommended for welding 4130 chrome moly tubing if a higher strength, less ductile weld is required. If your weld will be heat treated to obtain optimum strength, then use a filler metal which matches the chemistry of your tubing, which neither 70S-2 nor 80S-D2 wires do.
6. Generally speaking, use a 1/16" diameter filler rod for applications where the material is 1/8" and less. Use a 3/32" diameter rod for 1/8" and thicker.

HTP offers you high quality filler rods in affordable quantities. All filler rod is packaged in 1 lb. containers to keep your filler rod fresh and contaminant free.

Filler Rod

Part #	Material	Sale Price
4043-1/16-1T	4043 Alloy Aluminum Wire 1/16" X 18"	$7.00
4043-3/32-1T	4043 Alloy Aluminum Wire 3/32" X 18"	$7.00
4043-1/8-1T	4043 Alloy Aluminum Wire 1/8" X 18"	$13.95
5356-1/16-1T	5356 Alloy Aluminum Wire 1/16" X 18"	$7.00
5356-3/32-1T	5356 Alloy Aluminum Wire 3/32" X 18"	$7.00
5356-1/8-1T	5356 Alloy Aluminum Wire 1/8" X 18	$13.95
308L-045-1T	308L Stainless Steel Wire - .045" x 36"	$9.25
308L-1/16-1T	308L Stainless Steel Wire 1/16" X 18"	$8.50
308L-3/32-1T	308L Stainless Steel Wire 3/32" X 18"	$8.50
70S6-1/16-1T	ER70S-6 Steel Wire 1/16" X 18"	$6.00
70S6-3/32-1T	ER70S-6 Steel Wire 3/32" X 18"	$6.00
70S2-1/16-1	ER70S-2 Steel Wire 1/16" X 36"	$6.00
80SD2-1/16-1	ER80SD-2 Steel Wire 1/16" X 36"	$7.00

HTP Algae Eliminator Retail $9.95 **Sale $7.46**
You've heard that old adage about killing two birds with one stone. Well, that's exactly what HTP Algae Eliminator does. This exciting product helps protect your closed water cooling system from algae buildup while, at the same time, helping lubricate the system pump and keep it operating smoother and more effectively. The result is a cleaner, better operating cooling system. One bottle treats three gallons.

HTP Coolant List $18.95 **Sale $14.21**
If your welding applications are subject to freezing temperatures, you'd better put HTP Coolant, Anti-Freeze and Pump Lubricant at the top of your shopping list. This proven performer is a quick, cost-effective way to protect your equipment's water cooler or other closed-loop cooling system from freezing temperatures all the way down to 10° F. The benefits don't stop there! HTP Coolant helps reduce water evaporation; saving time because less fill maintenance is required. It also lubricates pumps, helping prevent premature pump wear, and it's plasma compatible because it doesn't conduct electricity. Available right now in one-gallon containers.

Tungsten

Selecting the correct tungsten electrode is important to getting high-quality welds and making your welding easier. Some important factors to be considered in making the right choice are type of power source (Inverter or transformer), material to be welded (steel, aluminum or stainless steel) and the thickness of the material.

HTP offers the following premium quality tungsten ground to a high quality finish. All tungsten is 7" long and can be purchased individually.

Pure Tungsten (TP) – green tip – Readily forms a ball on the end. It is generally used with transformer-based power sources for AC welding of aluminum.

2% Thoriated Tungsten (TT2) – red tip – This tungsten is the most common tungsten currently being used. It is generally utilized for DC welding of steel and stainless steel and offers good overall performance. A drawback is that this tungsten has a low level radiation hazard.

2% Ceriated Tungsten (TC2) – grey tip – 2% ceriated is an excellent substitute for 2% thoriated tungsten if you are using a transformer-based power source for DC welding. This tungsten is popular for thinner materials because it requires less amperage to start. It offers a stable arc and can be used for both AC and DC welding with inverter power sources.

1½% Lanthanated Tungsten (TL2) – gold tip – 1½% lanthanated is also a great substitute for 2% thoriated tungsten. It offers good arc starting characteristics and longer life than 2% thoriated. It can be used for both AC and DC welding with both inverter and transformer power sources.

Tungsten Type	Diameter and Prices							
	.040" (1.0mm)		1/16" (1.6mm)		3/32" (2.4mm)		1/8" (3.2mm)	
Pure Tungsten	TP-7040	$.80	TP-7116	$.90	TP-7332	$1.50	TP-718	$2.50
2% Thoriated	TT2-7040	$.80	TT2-7116	$.90	TT2-7332	$1.50	TT2-718	$2.50
2% Ceriated	TC2-7040	$.80	TC2-7116	$.90	TC2-7332	$1.50	TC2-718	$2.50
1½% Lanthanated	TL2-7040	$.80	TL2-7116	$.90	TL2-7332	$1.50	TL2-718	$2.50
Amperage - AC	20-30 amps		30-80 amps		60-130 amps		120-200 amps	
Amperage - DC	15-50 amps		50-120 amps		80-150 amps		130-250 amps	

Tungsten Grinder List $474.95 **Sale $239.95**
Adjustable Tungsten Grinder List $549.95 **Sale $279.95**

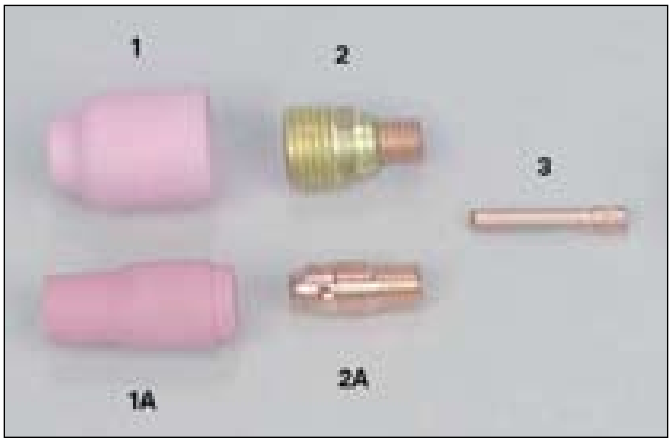
Still sharpening your Tungsten Electrodes on a dirty, worn grinding wheel? Then you need The Grinder by HTP. This exceptional unit puts the perfect point on your tungsten electrode every time, making it an affordable alternative to precisely cut, flattened and sharpened electrodes. It's the perfect accessory for both the professional and part-time Tig Welder! The Grinder has six speeds to choose from, ranging from 8000 to 30,000 rpm.

The Grinder is also available in an adjustable version, which includes all the features of our standard grinder plus the added feature of adjusting the angle, or the point, from 10 to 30 degrees. The 110-volt grinders weigh only one pound, so they are extremely portable and easy to take right to the job. Both grinders come standard with 1/16", 3/32" and 1/8" collets. A replaceable diamond wheel ensures that you will be sharpening electrodes for years to comes. Additional diamond wheels sold separately.

Standard Grinder Head

Adjustable Grinder Head

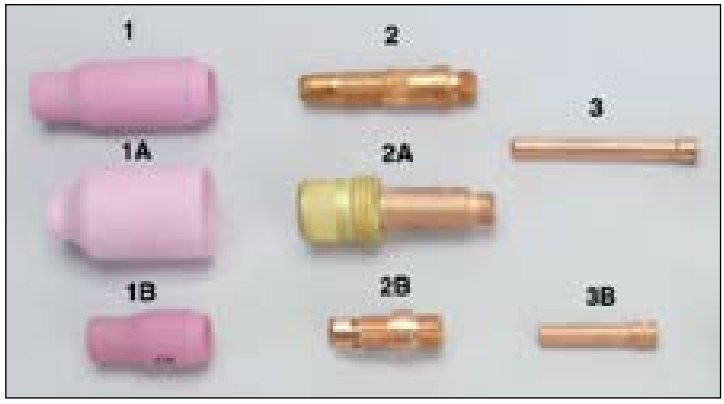
Tig Torch Parts



Parts for 9 Series Air Cooled & 20 Series Water Cooled Tig Torches

Illus #	Description	Tungsten Diameter 0.040"	1/16"	3/32"	1/8"	Price
Gas Lens Configuration (optional)						
1	Alumina Nozzle	53N59	53N60	53N61	53N61S	$1.50
2	Gas Lens Collet Body	45V42	45V43	45V44	45V45	$4.75
3	Collet	13N21	13N22	13N23	13N24	$1.00
Standard Configuration						
1A	Alumina Nozzle	13N08	13N09	13N10	13N11	$1.00
2A	Collet Body	13N26	13N27	13N28	13N29	$1.75
3	Collet	13N21	13N22	13N23	13N24	$1.00

Parts for 17 & 26 Series Air Cooled & 18 Series Water Cooled Tig Torches

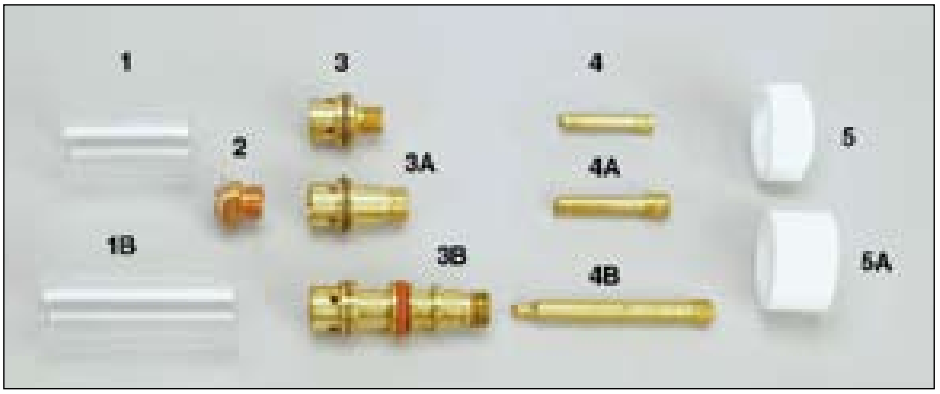


Illus #	Description	Tungsten Diameter 0.040"	1/16"	3/32"	1/8"	Price
Standard Configuration						
1	Alumina Nozzle	10N49	10N48	10N47	10N46	$1.15
2	Collet Body	10N30	10N31	10N32	10N28	$1.70
3	Collet	10N22	10N23	10N24	10N25	$1.50
Gas Lens Configuration (optional)						
1A	Alumina Nozzle	54N17	54N16	54N15	54N14	$1.50
2A	Gas Lens Collet Body	45V24	45V25	45V26	45V27	$4.75
3	Collet	10N22	10N23	10N24	10N25	$1.50
Short Configuration						
1B	Alumina Nozzle	13N08	13N09	13N10	13N11	$1.00
2B	Collet Body	17CB20	17CB20	17CB20	17CB20	$4.50
3B	Collet	10N22S	10N23S	10N24S	10N25S	$2.25

Pyrex Cup Kits

Pyrex Cup Kits
Nothing makes welding easier than being able to see what you are doing. HTP's Pyrex Cup kits do just that! The clear Pyrex cup gives you unparalleled visibility of the arc and work. The Pyrex Cup kit also comes standard with our special gas saver gas lens kit. This unique system saves gas while at the same time providing better gas coverage with a more even and uniform gas flow, eliminating gas turbulence which can cause weld quality problems. Pyrex cup kits are available to fit all standard torches. There is even a special large diameter kit available for welding titanium.

17 Series Pyrex Cup with Gas Saver



Pyrex Cup Parts

Illus #	Description	Tungsten Diameter 0.040"	1/16"	3/32"	1/8"	Price
For 9 Series Air Cooled & 20 Series Water Cooled Tig Torches						
1	Pyrex Cup	PYR8S	PYR8S	PYR8S	PYR8S	$15.59
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	$ 3.83
3	Collet Body	PYR20CB	PYR20CB	PYR20CB	PYR20CB	$ 3.25
4	Wedge Collet	PYR20C040	PYR20C116	PYR20C332	PYR20C18	$ 2.21
5	Heat Shield	2HSGS	2HSGS	2HSGS	2HSGS	$ 5.21
	Complete Kit	PYREX20-040	PYREX20-1/16	PYREX20-3/32	PYREX20-1/8	$29.05
For 17 & 26 Air Cooled and 18 Series Water Cooled						
Short Configuration						
1	Pyrex Cup	PYR8S	PYR8S	PYR8S	PYR8S	$15.59
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	$ 3.83
3A	Collet Body	PYR17SCB	PYR17SCB	PYR17SCB	PYR17SCB	$ 3.71
4A	Wedge Collet	PYR17SC040	PYR17SC116	PYR17SC332	PYR17SC18	$ 3.71
5A	Heat Shield	3HSGS	3HSGS	3HSGS	3HSGS	$ 5.25
	Complete Kit	PYREX17S-040	PYREX17S-1/16	PYREX17S-3/32	PYREX17S-1/8	$35.00
Standard Configuration						
1B	Pyrex Cup	PYR8L	PYR8L	PYR8L	PYR8L	$18.75
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	$ 3.83
3B	Collet Body	PYR17LCB	PYR17LCB	PYR17LCB	PYR17LCB	$ 4.69
4B	Wedge Collet	PYR17LC040	PYR17LC116	PYR17LC332	PYR17LC18	$ 2.06
5A	Heat Shield	3HSGS	3HSGS	3HSGS	3HSGS	$ 5.25
	Complete Kit	PYREX17-040	PYREX17-1/16	PYREX17-3/32	PYREX17-1/8	$44.87

TIG Accessory Kits

Pyrex Cup Kits
Stay neat and organized with our Pyrex Cup Kits. Each kit includes a handy compartmentalized box with part numbers and diameters. This kit includes all the necessary components to allow you to use your Pyrex cup with the following tungsten diameters: .040", 1/16", 3/32" and 1/8". Each kit includes: Heat Shield, Wedge Collet, Collet Body, Tungsten Adapter, and Pyrex Cup. Wedge Collet and Tungsten Adapter come in .040", 1/16", 3/32" and 1/8" sizes.

Pyrex Cup Kit for 9 & 20 Series Torches
PYREX20KIT
List $74.00 **Sale $49.00**

Short Pyrex Cup Kit f/17, 18, & 26 Series Torches
PYREX17SKIT
List $80.00 **Sale $55.00**

Standard Pyrex Cup Kit for 17, 18, & 26 Series Torches
#PYREX17LKIT
List $80.00 **Sale $55.00**

Flex Neck Tig Torch Head

Need to change the angle of your Tig torch to get into that tight area? Trouble is, with a standard Tig torch you can't. Well, HTP has the answer: our Flex Neck Tig Torch. This unique torch lets you bend the end of your Tig torch into virtually any position, allowing you quick, easy access to practically any tight, cramped or out-of-the-way spot. Imagine how much easier your welding will be! HTP has a head available to fit all 9, 17, 20 and 26 series torches. Also, any HTP Tig Welder can be upgraded to this torch when ordered. Don't waste time, place your order today.

SR9-F **$49.95** SR20-F **$79.95**
SR17-F **$49.95** SR26-F **$69.95**

TIG Parts Kits
These handy parts kits include everything you need for those critical welding jobs. And the compartmentalized box is a great way to keep those parts organized, easy to find and easy to re-order. Each kit includes one short Back Cap and one of each of the following: 2% Ceriated Tungsten, 1.5% Lanthanated Tungsten, Collet, Collet Body and Alumina Cup in each of the following diameters: .040", 1/16", 3/32" and 1/8".

Tig Parts Kit for 9 & 20 Series Torches # SR-911
List $79.95 **Sale $55.00**

Tig Parts Kit for 17, 18 & 26 Series Torches # SR-1711
List $79.95 **Sale $55.00**

Gas Lens Kits
If you're looking for better shield gas coverage patterns, then our Gas Lens Kit is for you. With better shielding gas patterns the welder can extend the electrode beyond the edge of the gas cup for getting into tight spaces or corners. The kit comes in our compartmentalized plastic box and contains Aluminia Cups and Gas Lens in the following sizes .040", 1/16", 3/32", and 1/8".

Gas Lens Kit for 9 & 20 Series Torches	SR-911GL	**$29.95**
Gas Lens Kit for 17, 18 & 26 Series Torches	SR-1711GL	**$29.95**

HTP Swivel Head Tig Torch

Our swivel head torch is designed specifically for those tough tubing fabrication applications where it is virtually impossible to weld with a conventional torch. The head can be quickly swiveled and locked in any position within a 360° rotation. With it, you'll easily be able to reach tight corners, joints, recesses and other previously unreachable spots. Anyone working on experimental aircraft frames, drag racing chassis, or basically any application that requires welding a tube frame will find this special Tig torch not just useful, but an absolute necessity.

SH-9-12	**$149.95**	SH-9-25	**$179.95**
SH-17-12	**$149.95**	SH-17-25	**$179.95**
SH-20-12	**$155.00**	SH-20-25	**$195.00**

From the Inside . . . to the Outside . . . HTP Welders are built tough to last long!

Control Transformer – this is a separate transformer from the welding transformer which provides low voltage to run the printed circuit board, wire drive motor, and main relay. Many companies take this voltage from the main welding transformer, shortening the life of the transformer and not providing as stable a voltage supply.

Thermoswitch Protection – in the unlikely event you might exceed the duty cycle of your HTP welder, don't worry, the thermoswitch will shut the machine down, protecting the internal components from overheating.

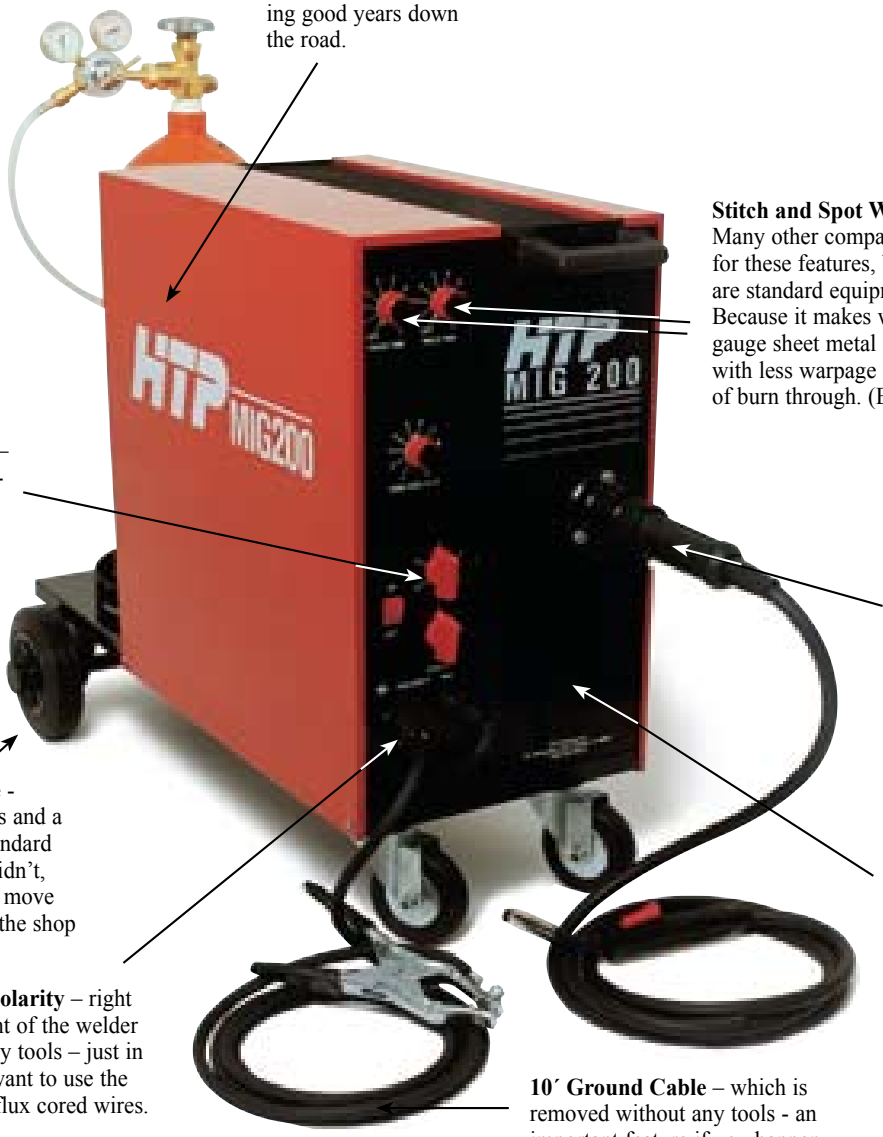
Circuit Breaker Protection – HTP uses circuit breakers on the primary input side of the welder - this helps to protect the internal components from damage.

Printed Circuit Board - Our solid state printed circuit board can be removed and installed in seconds without any tools for easy, do-it-yourself service.

Main Relay Mechanism - this component is one of the main reasons you will fall in love with your MIG welder. Imagine touching the welding wire exactly where you want to start welding, pulling the trigger, and starting the weld right there in exactly that spot. With a main relay, the wire is not "electrically hot" until you pull the trigger.

Copper windings in the Main Transformer – as we all know, copper is a better electrical conductor than aluminum, lasts a lot longer, but the main reason for using copper is to provide a smooth, stable welding arc. Now isn't that what you are looking for in your welder?

HTP's Gear Drive Feed System is used on all of our welders. We don't use any plastic like many of our competitors. Why, because a smooth consistent wire feed results in a smooth stable arc.



Powder Coated Cabinets – We powder coat our cabinets to keep your welder looking good years down the road.

Stitch and Spot Welding – Many other companies charge extra for these features, but at HTP they are standard equipment – why? Because it makes welding on light gauge sheet metal easier and faster with less warpage and less chance of burn through. (Except MIG 2400)

Recessed Controls – all of our potentiometers are recessed. This helps prevent accidental damage.

10 ft. Coaxial Welding Gun – The coaxial design of our welding guns provide a smooth, consistent wire feed – essential when it comes to a nice smooth stable arc. Also, the welding gun is removed and installed without any tools, which makes it easy to change over to a teflon liner for aluminum welding.

Full Undercarriage - HTP includes wheels and a gas bottle tray as standard equipment – if we didn't, how else would you move your welder around the shop to your project?

16 Gauge Steel Cabinet – we build our cabinets out of 16 gauge steel, not plastic like a lot of our competition – and we MIG weld them together – we don't use sheet metal screws either – the end result is a rugged cabinet designed for years of use.

Reverse Polarity – right on the front of the welder without any tools – just in case you want to use the "gasless" flux cored wires.

10′ Ground Cable – which is removed without any tools - an important feature if you happen to drop something on it, sever the cable, and need to replace it.

All HTP MIG Welders Offer

- Capability to braze steel, weld aluminum, steel, stainless steel and cast iron – without expensive add-on options.
- The ability to handle 10 lbs., 30 lbs. or 40 lbs. spools of wire.
- Free welding DVD actually gives you a "through the helmet" look at proper welding techniques and lets you hear what to listen for – instruction that will benefit both the beginners and pros. Also describes the operation, maintenance and troubleshooting tips for your welder.
- Our special toll-free service and assistance hotline: 1-800-USA-WELD. Expert advice, parts and accessories are only a phone call away!
- Three year Warranty – HTP MIG welders have a three year warranty, so you know they will keep working for you down the road.
- Coaxial welding gun available in 10', 12' or 15' lengths.

HTP MIGs at a Glance

	Mig 2400	Mig 200	Mig 160DV		Mig 160	Mig 140
			110V	220V		
Maximum Output Amperage	240	200	140	160	160	140
Minimum Output Amperage	20	20	20	20	20	25
Maximum Recommended Thickness	3/8″ to 1/2″	5/16″ to 3/8″	3/16″ to 1/4″	1/4″ to 5/16″	1/4″ to 5/16″	3/16″ to 1/4″
Heat Settings	24	24	6	8	8	6
Duty Cycle	35% @ 240 amps 100% @ 142 amps	20% @ 200 amps 100% @ 105 amps	35% @140 amps	20% @ 160 amps 100% @ 78 amps	20% @ 160 amps 100%@78 amps	20% @ 140 amps 100% @ 62 amps
Open Circuit Voltage	18 to 38.5	20 to 37	17 to 28	17 to 36	19 to 35	20 to 35
Circuit Breaker Protection	Yes	Yes	Yes		Yes	Yes
Cooling	Dual Fan Forced Air	Forced Air	Forced Air		Forced Air	Forced Air
Wire Size	.023″ to .045″	.023″ to .035″	.023″ to .035″		.023″ to .035″	.023″ to .035″
Input Voltage	220V	220V	110V	220V	220V	110V
Input Amperage	40	30	30	25	25	30
Wire Feed Rate (in./min.)	7 to 625	7 to 625	7 to 625		7 to 625	7 to 475
Size (w/wheels)						
Length	33″	33″	33″		33″	33″
Width	13″	13″	13″		13″	13″
Height	27″	27″	27″		27″	20 1/2″
Shipping Weight	235 lbs.	195 lbs.	195 lbs.		165 lbs.	135 lbs.

MIG 2400 #602400-24 List $1999.00 **Sale $1399.00**

Tank not included.

We developed the MIG 2400 for the fabricators out there who want a powerful, dependable welder that won't let them down. We also designed it for the farmers who need a rugged unit for heavy fabrication, implement modification and serious repair work. We made sure to include the exact features everyone needs – at a price anyone can afford!

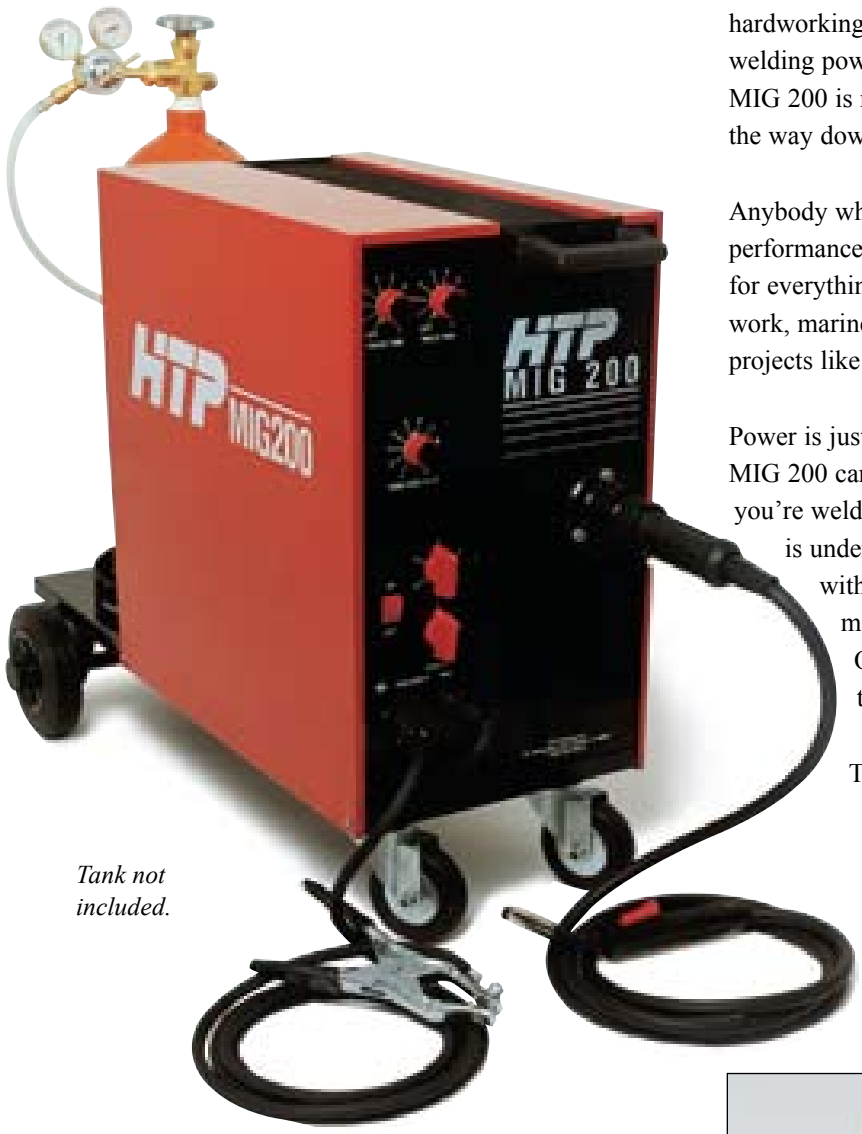
HTP's MIG 2400 features a four roller geared wire feed system that delivers a smooth, consistent wire feed! The 2400 also features the ability to digitally display either the welding amperage or the welding voltage, which lets you precisely adjust your welder for any welding job. There's also a wire feed accelerator for smooth arc starting and a burnback timer to set wire stickout.

We didn't stop there. The MIG 2400 also features heavy-duty rotary contact switches that let you adjust the copper wound transformer to any of its 24 different heat settings. A spot weld timer ensures consistent tack welds. A powder coated, 16 gauge steel cabinet is solidly welded together and comes standard with wheels and an undercarriage, allowing you to easily roll the machine anywhere in your shop. A 10' HTP 24 Series welding gun is standard and can be upgraded to a 12' or 15'. We can also install the welding gun of your choice as well. To save time, you can reverse the polarity without any tools for quick changeover to flux-cored wires.

We are so sure you will like our 2400 we will let you take it for a 90-day test weld in your shop, and we back the machine with a 3-year warranty. So for a day-in, day-out welder that won't let you down, look no further than the HTP MIG 2400. You'll be glad you did.

4 Roller Gear Drive Feeder

MIG 200 #60200 List $1799.00 **Sale $1199.00**



Tank not included.

We haven't talked to anyone who had a project this hardworking MIG welder couldn't handle. With 200 amps of welding power, anything up to 3/8″ thick is fair game. Yet the MIG 200 is refined enough for your most delicate jobs – all the way down to the very finest, light gauge sheet metal.

Anybody who welds will appreciate the power and performance features of the MIG 200. It's the ideal choice for everything: commercial use, fabrication, farm or ranch work, marine repair, or extensive and repeated automotive projects like race cars, street rods and trailers.

Power is just the beginning. With 24 heat settings, the MIG 200 can be adjusted for the most critical jobs. Whether you're welding 3/8″ steel or thin, rusty sheet metal, the power is under your control. An impressive duty cycle, coupled with forced air cooling, keeps the unit operating for many years under the most demanding conditions. Our long list of standard features make this MIG the one by which to judge all others.

The HTP MIG 200 . . . when only the best will do.

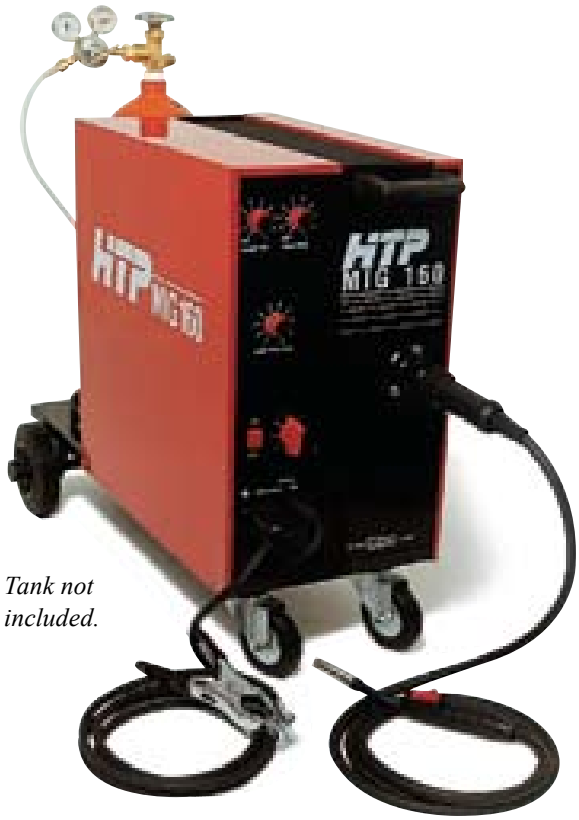
HTP's Gear Drive Feed System is used on all of our welders.

MIG 160 #60160 List $1499.00 **Sale $949.00**

A powerful welder at a popular price, that's the MIG 160! With the ability to weld up to 5/16″, the MIG 160 fits the needs of most users, making it the right choice for the sophisticated home shop. General repair around the farm, street rod building and race car fabrication are just some of the uses for this MIG's 160 amps of welding power.

Professional body shops and muffler shops rely on the MIG 160 as a durable tool for their tasks – from the lightest sheet metal to heavy plate. They know they can depend on the MIG 160 for day-in, day-out use, even among the most demanding conditions.

No matter what you're welding, you'll be spoiled by the smooth welding arc and the convenient spot and stitch welding modes. Eight heat settings cover the wide range of welding applications you'll find for this 220V workhorse.



Tank not included.

MIG 160DV #60160DV List $1799.00 **Sale $1199.00**

Tank not included.

Our MIG 160DV (Dual Voltage) operates on either 110 or 220 volt power. A simple idea, but think about it: crowded body and muffler shops can use it anywhere. Do-it-yourselfers can run it in the basement, garage or workshop! Racers especially appreciate the ability to work on 220 volts in the shop, then go out to the track for on-site repairs on 110 volts. Farmers can use a generator for in the field repairs on 110 volts, then take this workhorse back to the shop and run it on 220 volt power.

160 amps will weld anywhere from light gauge sheet metal to 5/16″ steel. Eight heat settings provide a range of flexibility to accomplish any welding task you've got. When you are looking for a MIG welder with the power and durability for commercial shop use, and the adaptability to perform on-site repairs, look into the MIG 160DV. You'll be surprised how much MIG your money can buy.

MIG 140 #60140 List $1399.00 **Sale $849.00**

Tank not included.

The MIG 140 is the most feature-packed 110V MIG on the market. When you add in all the quality components it shares with our 220V machines, you've got an affordable performer. The MIG 140 has found a home in well-equipped family garages, as well as body and muffler shops. It's easy to see why.

The MIG 140 boasts all of the features and functions of our larger machines, such as spot and stitch welding. Because it shares many of the components of these machines, you're assured of a smooth welding arc. The MIG 140 can plug into any 110V outlet, and it weighs only 135 lbs., so you can easily shuffle it around to various projects.

With 140 amps of welding power and six heat settings, the MIG 140 is recommended for use on materials up to 1/4″ thick – the majority of automotive applications – all with the ease and performance you expect from HTP.

Mig 140 Gear Drive Feeder

MIG Welding Machine Covers

You've got a healthy investment in your MIG welder, so keep it in top shape with an HTP Welding Machine Cover. Made from marine vinyl, polyester-backed, these water resistant, non flammable covers are specially crafted to protect your machine from moisture, dust and other harmful workshop elements. For convenience, each cover includes a series of cutouts that allow the MIG gun and ground to stay connected while the cover is in place (MIG 140 gun and ground cable need to be disconnected and removed when using cover). Safeguard your investment in your MIG welder . . . it's easy with an HTP machine cover.

Cover	For Part #	Retail	Sale
MIG 2400	602400 Cover RV	$66.00	$44.95
MIG 200	60200 Cover RV	$66.00	$44.95
MIG 160	60160 Cover RV	$66.00	$44.95
MIG 140	60140 Cover RV	$66.00	$44.95
MIG 120	60120 Cover RV	$66.00	$44.95

MIG 140

MIG Gun Holder #90190 MIG List $24.95 **Sale $14.95**

Keep your work station organized! This handy magnetic based MIG Gun Holder is an easy way to keep your MIG Gun close at hand, but not in the way. This uniquely designed MIG Gun Holder stays firmly in place on your welding table, keeping your welding gun close and your fabrication area in order.

MIG/Plasma Cart Retail $196.00 **Sale $112.95**

The HTP Cart makes it easy for anyone using a MIG welder or a plasma cutter to move the machine around the shop quickly and easily. The cart is built from 18 ga. powder coated steel, and features MIG gun, ground clamp or plasma torch holders which are conveniently located on the sides of the cart. The top shelf is set at a 15 degree angle to provide easy viewing of the machine controls.

So, if you want to make your welder or plasma cutter easier to use, you're sure to agree that an HTP Cart is a great addition to your shop or business.

SPECIFICATIONS

Length	35" (including handle) 28" (excluding handle)
Width	14 1/4" wide (including wheels)
Height	33 1/2"
Wheels	6" x 1 1/4"
Top Tray	17 1/2" x 11"
Middle Tray	15" x 11"
Bottom Tray	17 1/4" x 11 5/8"
Tank Tray	11 5/8" x 10 1/4"
Distance Between Middle and Bottom Tray	13 1/4"
Weight	30 lbs.
Maximum Load Bearing Capacity including Tank	125 lbs.
Maximum Tank Weight	55 lbs.

HTP Spool Guns

When extra length is required for those special jobs

The HTP RSG250 Spool Gun is the perfect solution when you need some extra distance between you and the welding machine. This state-of-the-art gun is ideally suited for applications ranging from farm machinery and semi-trailer repair to construction site jobs or any other application where the power source can't be brought to the work.

This advanced HTP gun is also an excellent solution for welding aluminum. The distance from the drive rollers to the contact tip is only 8", so feeding problems and bird's nesting are virtually eliminated.

The RSG250's unique contact tip is notched, so burn backs can be easily removed. What's more, the tip is also offset for maximum electrical current transfer, resulting in a smoother, more stable arc.

A remote wire feed adjustment in the RSG250's handle is a real time-saver. It eliminates the time-consuming walk all the way back to the welder to fine-tune your wire feed rate.

The RSG250 includes a control box and can be installed on virtually any brand of MIG welder.

Have an engine driven arc welder with a CV setting and want to MIG weld aluminum in the field? Then the HTP RSG250-C is your answer. The control box has a contactor and can be installed on any engine drive with a CV setting.

The RSG250-HTP fits our MIG 140, 160, 160DV, 200 and 240. This unit is easily wired into HTP welders and does not require a control box. The RSG250-2400 offers the same advantages, but is designed for the MIG 2400.

		List	Sale
RSG250	Fits all Welders	$1224.95	**$695.00**
RSG250-C	Fits CV Engine Drive Welders	$1264.00	**$849.00**
RSG250-HTP	Fits HTP 140, 160, 160DV, 200, 240	$ 995.00	**$595.00**
RSG250-2400	Fits HTP 2400	$ 995.00	**$595.00**
RSG250-MIL14	Fits Miller Welders	$1329.95	**$795.00**

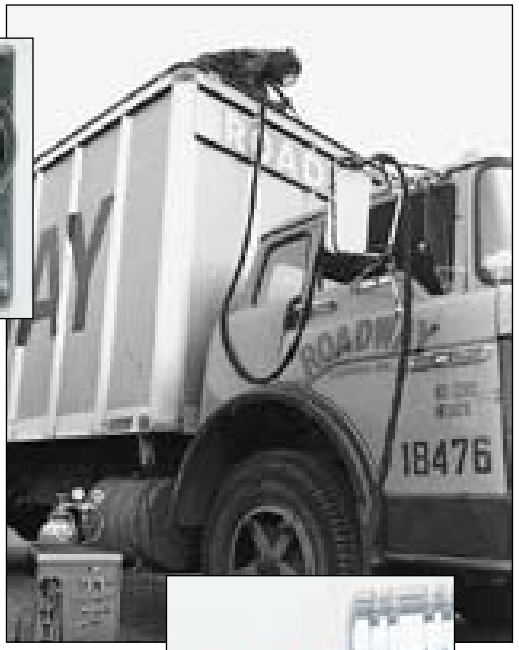
50' guns available by special order

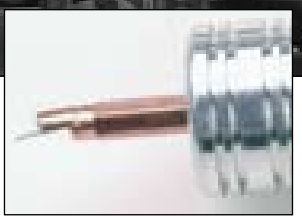
SPECIFICATIONS

	RSG250	RSG 200
Amperage	60% @ 250 amps	60% @ 150 amps
Weight (gun only)	2 3/4 lbs.	2 lbs.
Weight (gun & cable)	14 lbs.	12.6 lbs.
Length	25 ft.	20 ft.
Wire Feed Rate	50-650 inches/min	20-410 inches/min
Wire Size	.023", .030", .035", .045" *wires	
Wire Type	Steel, Stainless, Flux Cored, & Aluminum	
Spool Size	Standard 4" Spools	

*RSG 200 does not use .045" wire

Wire Feed adjustment in handle





Notched Contact Tip

RSG200 List $699.00 **Sale $375.00**
RSG200-MIL Fits Miller Welders List $699.00 **Sale $375.00**

The RSG 200 is an economical alternative to the HTP RSG250. The RSG200 works with all HTP welders with quick connect welding guns. The wire feed adjustment is on the front of the welder. The RSG 200 handles .023", .030" and .035" wires, and with a 60% @150 amp duty cycle, the RSG 200 will make your aluminum projects easier and eliminate wire feed problems.

HTP Flexible Swan Necks
How many times have you been welding and to get into a tight spot you needed a different angle on the welding gun, or a straight swan neck instead of a bent one? I've found myself in that same situation several times and knew there had to be a better way. So I sat down with the design team, described the problem, and they came up with the solution – the HTP Flexible Swan Neck. The Flexible Swan Neck will allow you to bend the end of your welding gun into virtually any position, allowing you access to very tight confined areas. You know the job; you can barely get your hand and the welding gun in there. Now, with the Flexible Swan Neck you can position the Swan Neck so it points right where you want it. A necessity for getting up over the top of muffler pipes. Racers love it for working on roll cages. Available as a conversion for Binzel® or Tweco® style welding guns, or as a complete gun assembly to fit most welders on the market.

HTP Part #		
15500 - Flexible Swan Neck Only	List $87.50	**Sale $65.00**
15501 - Conversion Kit for Binzel® style guns	List $124.95	**Sale $78.00**
15510 - 10 ft gun fits HTP MIG Welders	List $229.95	**Sale $155.00**
15512 - 12ft gun fits HTP MIG Welders	List $249.95	**Sale $175.00**
15515 - 15ft gun fits HTP MIG Welders	List $269.95	**Sale $195.00**
15500-T - Fits Tweco® Mini MIG Gun	List $197.79	**Sale $122.38**
15500-T #1 - Fits Tweco® #1 Style Gun	List $197.79	**Sale $122.38**
15500-T #2 - Fits Tweco® #2 Style Gun	List $197.79	**Sale $122.38**
15500-T #3 & 4 - Fits Tweco® #3 & 4 Style Gun	List $236.60	**Sale $146.60**

Complete guns are needed to convert your Miller or Lincoln gun to a flexible swan neck. If the current gun you are looking for is not listed below, please call us for availability and a quote on complete guns to fit your specific machine.

The following guns replace Miller GA-17C, GA-20C, GA-21C, 10A, H-10, M15, M25, and M25M.

M2010-F 10 ft. Gun	List $244.00	**Sale $165.00**
M2012-F 12 ft. Gun	List $249.00	**Sale $185.00**
M2015-F 15fT. Gun	List $269.00	**Sale $210.00**

The following guns replace Lincoln SP-85, SP-100, SP-100T, SP-125 Plus, SP-130T, SP-155, SP-170T, SP-175 Plus, Mig Pak® 10, Mig Pak® 15, Weld Pak®, Weld Pak® 155

SP100-13-10F 10ft Gun	List $225.25	**Sale $165.00**
SP100-13-12F 12ft. Gun	List $249.95	**Sale $175.00**
SP100-13-15F 15Ft.Gun	List $269.00	**Sale $190.00**

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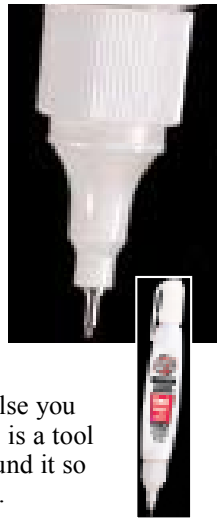
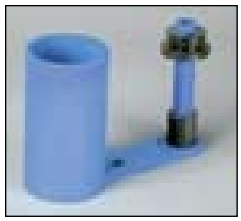
HTP Metal Marker – MM1295W
List Price $5.95 **Sale Price $3.95**



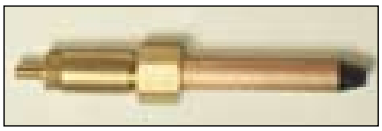
Like practically every other fabricator, you're probably looking for a quick, easy and effective way to write on metal. Well, you've found it: the HTP Metal Marker. I personally have one of these handy paint markers in my tool box and have literally found hundreds of uses for it. The fine tip design, in addition to making a nice, legible fine line, prevents clogging. You'll quickly find it's indispensable for plasma cutting as well as for labeling parts, tires or virtually anything else you need to put a permanent marking on. This is a tool I've used time after time after time and found it so handy, I knew we had to start selling them.

Spool Adapter – SA-1-4 List Price $35.53 **Sale $19.98**
This HTP spool adapter is a breakthrough in convenience and economy. In fact, it could pay for itself in wire savings the first time you use it! The adapter's unique design allows you to use 4" diameter spools on virtually any MIG welder. That means you can now use 4" diameter spools where you could only use 8" and 12" spools before. The HTP spool adapter fits standard 2" diameter wire drive brake assemblies found on all popular welders.

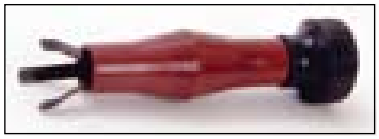


Wire Cleaner #12026 List $2.95 **Sale $1.95** This handy gadget clamps onto your wire and cleans the wire before it enters the gun. Increases liner life, prevents bird's nesting, keeps welds clean.

HTP Shrinking Attachment #15003
List $19.95 **Sale $14.95**
A must for bodywork, this incredible accessory screws into your swan neck. Use this tool to relieve stresses in dented automotive panels after shaping and dolly hammer work. This clean, safe electric heat alternated with cooling of the panel will bring the molecules of steel back into shape as before the damage occurred. Pays for itself in just one small job. Other brand welders can be fitted, too. Call our free hotline, 1-800-USA-WELD now. We'll let you know if your MIG can accept this great tool.



Nozzle Reamer #12025 List $19.95 **Sale $14.95**
The only tool specially designed to clean build-up and slag from inside the welding nozzle. Scraping blades expand inside the nozzle and remove build-up.



HTP Accessory Kits

You can't simply buy a car and start driving – you have to have gas, registration, a license, and insurance. Welding is the same way . . . you need wire, a nozzle, eye protection, gas, etc., before you can hit the road. HTP Accessory Kits are designed to get you started right and keep you welding. Each varies according to the specific user's needs and contains extra consumable parts such as tips and nozzles. Don't be caught with your welder down! Choose the accessory kit for the work you plan on doing.

Essential Kit #50001 List $182.05 **Sale $80.00**
Contains the basics you need to start welding (except gas cylinder). Includes the following:

Part #	Qty	Description	Part #	Qty	Description
12020-F	1	Flowmeter	15023	5	.023″ Contact Tips
12021	1	Nozzle Spray	15062	1	Nozzle Spring
21023	1	.023″ Wire, 10 lbs.	15105	1	Conical Nozzle
12504	1	Hand Shield	15106	1	Spot Weld Nozzle

Deluxe Kit #50003 List $215.00 **Sale $115.00**
Similar to above, but includes helmet and gloves.

Part #	Qty	Description	Part #	Qty	Description
12020-F	1	Flowmeter	12550	1	Welding Gloves
12021	1	Nozzle Spray	15023	5	.023″ Contact Tips
21023	1	.023″ Wire, 10 lbs.	15062	1	Nozzle Spring
12500	1	Wide View Helmet	15105	1	Conical Nozzle
			15106	1	Spot Weld Nozzle

** Flowmeter replaces regulator in photograph.*

HTP MIG Consumable Kit #50013
List $128.50 **Sale $80.00**

Ever start to use your welder on a new project only to discover you need a new nozzle, tip or other consumable part? You can avoid this frustration when you are prepared with the HTP MIG CONSUMABLE KIT, which contains the inventory you need to keep your welding equipment up and running smoothly. Your complete kit even comes with preventive maintenance items such as #12026 WIRE CLEANER and #12025 NOZZLE REAMER. And best of all, these are genuine HTP replacement parts in a compartmentalized clear plastic box marked with permanent part #'s to make ordering even easier. Your #50013-HTP MIG Welder Consumables Kit includes:

Part #	Qty	Description	Part #	Qty	Description
12025	1	Nozzle Reamer	15104	2	Cylindrical Nozzle
13002-DLT	1	Gas Diffuser	15108	2	Small Conical Nozzle
15023	6	.023 Contact Tips	15106	2	Spot Weld Nozzle
15030	6	.030 Contact Tip	12026	1	Wire Cleaner
15035	3	.035 Contact Tips	15062	5	Nozzle Springs
15105	2	Conical Nozzle			

Consumable Kit for MIG 2400 List $80.00 **Sale $55.00**

50013-24 for 24 Series Gun

Part #	Qty	Description
24002-DIF	1	Gas Diffuser
15023	5	.023 Contact Tips
15030	5	.030 Contact Tip
15035	5	.035 Contact Tips
15045	5	.045 Contact Tips
24002-TH	1	Tip Holder
24105	1	Gas Nozzle
24104	1	Cylindrical Nozzle
24108	1	Super Taper Nozzle
24106	1	Spot Weld Nozzle
12026	1	Wire Cleaner

50013-T#1 for Tweco #1 Gun

Part #	Qty	Description
12025	1	Nozzle Reamer
S4228-1	1	Gas Diffuser
15023	6	.023 Contact Tips
15030	6	.030 Contact Tip
15035	3	.035 Contact Tips
21-37	1	Nozzle Super Taper
21-50	2	Steel Welding Nozz
21-62	1	Cylindrical Nozzle
21-62FAS	1	Tweco Spot Weld N
12026	1	Wire Cleaner

Mig Welder Accessories

40011- Aluminum Welding Kit List $85.70 **Sale $57.00**
40011-24 for MIG 2400 List $85.70 **Sale $57.00**
40011-T for Tweco Style Guns List $85.70 **Sale $57.00**

One of the benefits of MIG welding is the flexibility to weld a wide range of metals. Steel, stainless steel, cast iron and brazing are relatively simple, requiring no more attention than changing the shielding gas. Aluminum is an entirely different animal. Due to its softness and heat conductivity characteristics, extra care and special accessories must be used to ensure good results.

Aluminum is much softer than steel. It will "bird's nest" using a standard steel liner. Therefore, a low-friction teflon liner is necessary to keep the soft aluminum wire from bird's nesting. Aluminum requires a higher flow rate of 100% Argon gas (roughly 30-50 CFM). The cylindrical nozzle, with its larger opening, ensures adequate dispersion of this gas.

Unlike steel, aluminum will not tolerate paint, oxidation, grease or any other contaminants when being welded. The importance of proper surface preparation cannot be over stressed. First, all surfaces to be welded should be vigorously brushed with our Stainless Wire Brush (a plain steel brush will simply further contaminate the aluminum).

This may seem like a lot of work, but attention to these details can help ensure that you save time, by getting it right the first time. More importantly, it can save you from ruining that irreplaceable part! Our Aluminum Welding Kit gives you everything you need to achieve good results.

The Kit includes:

40235	Aluminum Wire – .035", 2 lb., 8" Spool
15035B	Package of 5 .035″ Contact Tips
15104	Cylindrical Nozzle
15044	Teflon Liner & Collet
40110	Small Stainless Wire Brush
40112	Large Stainless Wire Brush
	Aluminum Welding Instructions and Tips

D

HTP MIG DVD #99000 - MIGDVD List $39.95 **Sale $18.50**

Thinking about buying a MIG welder, but aren't really sure if it is right for you? Do you already have a MIG, but feel like you could use a few pointers? Still stick welding and wonder why all your friends are raving about their MIG machines? If that's the case, then our Training DVD will be money well spent. *"Welcome to the World of MIG Welding"* our professionally prepared 52 minute DVD gives you an in-depth, through-the-helmet view of MIG welding.

The DVD opens up and briefly explains the inside of a MIG welder and how it works. An explanation of the front panel controls follows.

Next is a powerful, close-up, through-the-helmet view of welding (just like you are doing it yourself). You can actually see the wire coming out of the nozzle and the resulting molten puddle of metal. We show you how to adjust the wire feed rate, tack weld, plug weld, spot weld, stitch weld and seam weld.

The DVD is filled with welding tips and pointers. See several of our metalworking tools in action. Take a look through one of the new Striker Auto-Darkening welding helmets. We actually cut a fender in half and weld it back together!

The DVD closes with a section on common wear and tear maintenance items – testing the liner, setting the wire drive tension, changing the contact tip and so on. See how easy welding can be!

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HTP Welding Wire

HTP offers a variety of wires for every welding need. All HTP wires are of the highest quality available featuring excellent cast and helix properties. The cast and helix are very important qualities that reduce liner wear and keep feeding problems to a minimum. Available in a wide variety of diameters and spool sizes to fit your every welding need.

Steel Wire - All HTP Steel Welding Wire meets AWS Specification E70S-6. This is the only wire recommended by all auto manufacturers for repairing today's HSLA steels. A high quality steel wire with a minimum tensile strength of 70,000 psi. Higher silica and manganese content means this wire will flow out better and weld through rust and paint easier. Use .023″ dia. for sheet metal to 3/16″, .030″ dia. for 16 ga to 3/8″ and .035″ dia. for 14 ga to 1/2″.

Part #	Size	Material	Spool Dia.	Weight	Price
20223	.023″	ER70S-6 Steel Wire	4″	2 lbs.	$ 4.95
20230	.030″	ER70S-6 Steel Wire	4″	2 lbs.	$ 4.95
20235	.035″	ER70S-6 Steel Wire	4″	2 lbs.	$ 4.95
21023	.023″	ER70S-6 Steel Wire	8″	10 lbs.	$18.00
21030	.030″	ER70S-6 Steel Wire	8″	10 lbs.	$16.50
21035	.035″	ER70S-6 Steel Wire	8″	10 lbs.	$16.50
23323	.023″	ER70S-6 Steel Wire	12″	30 lbs.	$50.00
23330	.030″	ER70S-6 Steel Wire	12″	30 lbs.	$33.00
23335	.035″	ER70S-6 Steel Wire	12″	30 lbs.	$31.00

Stainless Steel Wire - All HTP Stainless Steel Wire is the 308 Alloy. This can be used in both high and low temperature applications and offers excellent resistance to chemical corrosion.

Part #	Size	Material	Spool Dia.	Weight	Price
30223	.023″	308 Stainless Wire	4″	2 lbs.	$16.95
30230	.030″	308 Stainless Wire	4″	2 lbs.	$16.95
31030	.030″	308 Stainless Wire	8″	10 lbs.	$105.00
31035	.035″	308 Stainless Wire	8″	10 lbs.	$99.95
38223	.023″	308 Stainless Wire	8″	2 lbs.	$28.43
38230	.030″	308 Stainless Wire	8″	2 lbs.	$19.95

Aluminum Welding Wire - Our Aluminum Wire is the higher tensile strength 5356 alloy wire. This wire also offers better feedability than the softer wires.

Part #	Size	Material	Spool Dia.	Weight	Price
40130	.030″	5356 Aluminum Wire	4″	1 lb.	$ 4.50
40135	.035″	5356 Aluminum Wire	4″	1 lb.	$ 4.50
40230	.030″	5356 Aluminum Wire	8″	3 lbs.	$33.38
40235	.035″	5356 Aluminum Wire	8″	2 lbs.	$23.96
41535	.035″	5356 Aluminum Wire	12″	15 lbs.	$49.95

Speciality Wires

Part #	Size	Material	Spool Dia.	Weight	Price
50230	.030″	Silicon Bronze Wire	8″	2 lbs.	$35.52
50235	.035″	Nickel-Manganese Cast Iron Wire	8″	2 lbs.	$134.95

Flux Cored Wire - HTP offers Flux Cored Wire for those who have the "gasless" wire welders or for anyone working in an area where it is not practical to use shielding gas with hard wire. Meets AWS E71T-GS specification. Great for use outdoors where a strong wind blows the shield gas away.

Part #	Size	Material	Spool Dia.	Weight	Price
60230	.030″	Flux Cored Wire	4″	2 lbs.	$ 12.00
60235	.035″	Flux Cored Wire	4″	2 lbs.	$ 12.00
61030	.030″	Flux Cored Wire	8″	10 lbs.	$ 45.00
61035	.035″	Flux Cored Wire	8″	10 lbs.	$ 45.00
68230	.030″	Flux Cored Wire	8″	2 lbs.	$ 16.00
68235	.035″	Flux Cored Wire	8″	2 lbs.	$ 12.00

Hardfacing Wire - Our Flux Cored Hardfacing Wire is a multi purpose hardsurfacing wire that can be used in a wide range of applications to prevent wear or to repair worn parts such as plow shears or harrow teeth. This is a high carbon, chromium alloy with molybdenum which produces a Rockwell "C" hardness of 50. This wire provides unbelievable resistance to severe abrasion, at the same time offering great impact resistance.

Part #	Size	Material	Spool Dia.	Weight	Price
81035	.035″	Flux Cored Hardfacing Wire	8″	10 lbs.	$159.95
82535	.035″	Flux Cored Hardfacing Wire	12″	25 lbs.	$312.00

HTP Weld All Kit

The HTP Weld All Kit equips you with everything you need to weld whatever may cross your path, in an affordable, economical package. Aluminum, Stainless, Silicon Bronze, Steel and Flux Cored Wires are all included, along with all the accessories needed for each specific application.

Whether you have an aluminum head or an irrigation pipe, a stainless steel boat railing or dairy equipment, or need to weld something in a 20 mph breeze, you'll be able to tackle the job.

HTP Weld All Kit - #50015 List $205.85 **Sale $114.75**
For Tweco Style Guns - #50015T List $205.85 **Sale $114.75**

The Weld All Kit includes the following:

Part #	Description
12026	Wire Cleaner
15023	5) .023″ Tips
15030	5) .030″ Tips
15035	5) .035″ Tips
15044	Teflon Liner
15104	Cylindrical Nozzle
21030	.030″ Steel Wire 10 lbs 8″ Spool
38223	.023″ Stainless Wire 2 lbs 8″ Spool
40110	Stainless Steel Brush (small)
40112	Stainless Steel Brush (large)
40235	.035″ Aluminum Wire 2 lbs 8″ Spool
50230	Silicon Bronze Wire
68230	.030″ Flux Cored Wire 2 lbs 8″ Spool

HTP Plasma Cutters

HTP's MicroCut 301 blasting through 1/4" steel.

HTP initially made a name for itself with welders. So when we introduced our Plasma Cutters 18 years ago, we had a lot riding on them – including our reputation. Like our welders, our cutters had to be rugged and tough, but they also had to be easy to use. We're happy to report that we succeeded. HTP cutters, following the lead of our welders, consistently deliver top performance at an extremely affordable price.

What is plasma? Plasma is the 4th state of matter (solids, liquids, gasses and plasma)! Basically, it's a gas which has been heated to such a high temperature, it's no longer a gas – it's plasma. This plasma gas is passed through an electric current and ionized, making it electrically conductive. Being conductive, it's attracted to the workpiece where the metal to be cut is melted and blown away by the superheated plasma gas. The result is a narrow, extremely high-energy cutting arc which, with laser-like precision, slices through metal as quickly and easily as a hot knife through butter. Hands down, plasma cutting is the fastest, easiest way to cut through any material that conducts electricity. There's no contest . . . and no heat distortion!

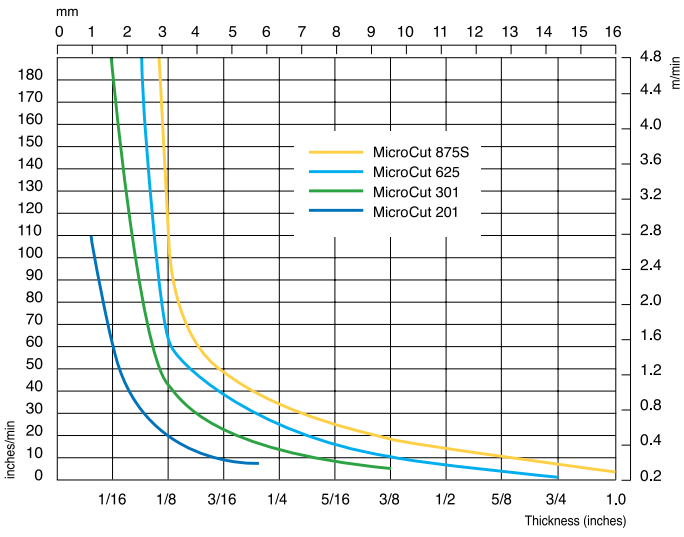
Plasma cutting technology has been around for a while. Until recently, plasma cutters were found only in heavy industrial and specialized manufacturing applications. Now, HTP offers state-of-the art equipment that is affordable and can be used virtually anywhere.

Take our MicroCut 201, for example. This handy, durable cutter operates on 110 volts and only weighs 14 lbs. It's an affordable, yet powerful (cuts 3/16" steel @ 10"/min), 110 volt machine in a compact, go-anywhere package.

Or how about our MicroCut 625? This machine brings inverter technology home in 40 amp unit that cuts up to ½" at 14"/min quickly and easily.

Now, plasma cutters can be used by fabricators, muffler shops, street rodders, farmers, race car builders, and even sophisticated home handymen. Anyone who wants to cut, shape, modify or just get metal out of the way will find that an HTP plasma cutter is the ideal tool for the job. You can always count on HTP for the right machine for your application . . . at the right price.

Plasma Cutting Speed Chart



HTP Plasma Cutters at a Glance

	MicroCut 201	MicroCut 301	MicroCut 625	MicroCut 875S
Primary Voltage (volts)	110	220	220	230
Primary Amperage (amps)	20	16	30	40
Cutting Current (amps) Infinitely Variable	5-15 amps Infinitely Variable	5-25 amps Infinitely Variable	10 to 40 amps Infinitely Variable	30 to 55 amps
Open Circuit Voltage (volts DC)	460	430	280	320
Cutting Voltage (volts DC)	100	85	110	102 @ 55 amps 96 @ 45 amps
Quality Cutting Capacity 10″/min	3/16″@ 12″/min	5/16″@ 14″/min	1/2″ @ 7 1/2″ min	3/4″ @
Severance Cutting Capacity	1/4″@ 6″/min	3/8″ @ 6″/min	5/8″ @ 3″ min	1 1/8″ @ 5" min
Duty Cycle	35% @ 15 amps	20% @ 25 amps	60% @ 40 amps	40% @ 55 amps 100% @ 45 amps
Weight	14 lbs	14 lbs	39 lbs	40 lbs
Dimensions				
Length	13″	13″	23 1/2″	22″
Width	4 1/2″	4 1/2″	9 1/4″	8″
Height	7″	7″	14 1/2″	11 1/2″
Cutting Torch Length	13 ft.	13 ft.	19 ft.	20 ft.
Ground Length	9 ft.	9 ft.	10 ft.	10 ft.
Input Power Cord Length	6 ft.	6 ft.	7 ft.	12 ft.
Plasma/Cooling Gas Pressure	37 psi	80 psi	60 - 75 psi	70 psi
Plasma/Cooling Gas Volume	1 cfm	3.5 cfm	4.25 cfm	3.2 cfm
Part Number	MC25201	MC25301	25625-45	25875S
Price	$849	$799	$1429	$1799
Warranty	1 year	1 year	2 year	2 year
Consumable Kit #	20011	38011	26011-45	25875SKIT
Kit Price	$55	$55	$65	$85

MicroCut 201 #MC25201 List $1299.00 **Sale $849.00**

The HTP MicroCut 201 is the perfect machine for anyone who needs to cut metal! It's the ideal unit for everyone from the Home Restorer, Stainless Steel Kitchen Fabricator and HVAC Installer to the Metal Sculptor, Muffler Shop, Body Shop and Do-It-Yourselfer.

This little workhorse is long on ruggedness, durability and capacity but extremely short on price. And talk about versatility! In addition to being handy and easy-to-use, this cutter operates on 110 volts and weighs a miniscule 14 lbs. Add a compact case that's about the size of an average guy's lunchbox and you have a unit that can be used practically anywhere you can get to.

The MicroCut 201 will quality cut 3/16" steel at 10"/min, sever ¼" steel and slice through stainless and aluminum. What's more, it zips through painted sheet metal with virtually no distortion. That's right — paint damage is limited to just 1/16th of an inch away from the cut. Now that's precision cutting!

The Inverter technology used in the MicroCut 201 features infinitely adjustable amperage control from 5 to 15 amps.

And don't forget low air consumption! The MicroCut 201 only requires 1 CFM of air at 37 psi. Naturally, it also comes with HTP's renowned 90-day, money-back guarantee and our one-year warranty.

Whatever job you have in mind — from shaping or modifying metal to cutting HVAC ductwork to repairing the subframe connectors on your weekend project car — the MicroCut 201 is the easy, affordable way to do it right, every time.

MicroCut 301 #MC25301 List $1199.00 **Sale $799.00**

If you have 220-volt power, then the MicroCut 301 offers you more horsepower for less money than our MicroCut 201. The result is more capacity and more cutting speed for less! For proof, look at the numbers . . . the MicroCut 301 will cut 5/16" steel at 12"/min, and sever 3/8" steel!

Designed with the professional body shop, or the serious hobbyist, in mind, the MicroCut 301 also zips through stainless steel and aluminum or any other material that conducts electricity. Painted surfaces? No problem . . . plus no distortion!

Talk about easy – you just plug this rugged powerhouse into a 220-volt outlet, add compressed air, pull the trigger and let 'er rip. Our satisfied users report that it's as easy to use as a jigsaw, only a whole lot faster.

The MicroCut 301 isn't just the "go-to" player for most any cutting job; it's also the "take with" champ. The machine tips the scales at a mere 14 lbs. and features an innovative design that gives new meaning to the word "compact", the MicroCut 301 isn't called the affordable portable for nothing.

There's more. Advanced inverter technology lets you infinitely adjust the cutting amperage from 5 to 25 amps. It also makes for a compact, lightweight cutter that's very energy efficient, too! It only requires a 16 amp 220 volt circuit. The MicroCut 301 has a full one-year warranty and our 90-day, money-back guarantee.

Once you compare features, specs and price, you'll agree that the MicroCut 301 is today's ultimate plasma value.

MicroCut 625

#25625-45 List $2699.00 **Sale $1429.00**

HTP takes plasma cutting technology one step further with the MicroCut 625. With our inverter technology, the MicroCut 625 weighs in at only 39 pounds, but it packs a whopping 40 amps of high tech cutting power in its compact cabinet – allowing you to severance cut 5/8″ steel!

Infinite amperage adjustment means you will have no problem keeping the raw cutting power of the MicroCut 625 under control. Dial it down to 10 amps for intricate cutting on light gauge sheet metal. Crank it up to 40 amps for serious frame work, bracket building, or whatever fabricating job you may have in mind. Whether it's steel, aluminum, stainless steel or any other metal that conducts electricity, the MicroCut 625 will slice through it like a hot knife through butter.

Inverter technology packs all this power into a cabinet which measures only 14 1/2" high, 23 1/2" long, and 9 1/4" wide, so it won't take up a lot of room in your shop. Weighing only 39 lbs. means you can take this cutter right to the job. If you need to get on top of a combine or a semi-trailer, you can do it with the MicroCut 625.

The plasma torch and ground cable feature a quick disconnect design, making it possible to remove them without any tools, for quick storage and portability. Additionally, due to the superior design of the plasma torch, consumable parts last longer than standard plasma torches. Also, this cutter features instant arc starting without high frequency, so you will be able to start your arc right through rusty or painted surfaces, while reducing the possibility of damaging an on-board computer.

Quick Disconnect Plasma Torch

Inverter technology is efficient. It only draws 30 amps on 220 volt power, so you can plug it into almost any 220 volt outlet. Naturally, the MicroCut 625 has HTP's 90-day money back guarantee and a two year warranty. When you compare the MicroCut 625 to the other cutters on the market, you'll see there is no comparison.

MicroCut 875S #25875S **Sale $1799.00**

If you are doing serious fabricating in steel, aluminum or stainless steel then you need power and lots of it. Whether it's an important, large project or a day-in, day-out production process the MicroCut 875S with its 55 amps of raw cutting power is up to the task!

Our customers have found plenty of uses for the MicroCut 875S. Some common ones are implement repairs and modifications, custom aluminum truck beds, and heavy marine fabrication. These users tell us they prefer the MicroCut 875 because it has the power – and the duty cycle (100% @ 45 amps) – for heavy cutting all day long. If you need to turn a dumpster into metal corn flakes, then this is the tool for you.

The MicroCut 875S is based on the MicroCut 625's inverter technology, proven in the field since 1998. But we put the machine on a diet – increasing the power by 37% but keeping the weight the same, making it easy to take this cutter right to the job. And a 20 ft cutting torch will allow you to get up on top of equipment if that's where the cutting needs to take place.

A machine like the MicroCut 875S lets you redefine production and fabrication techniques. The possibilities are truly staggering!

Just feed it 220 volt power and clean compressed air and it will easily blast through 3/4" solid steel plate at 7 1/2"/min and severance cut 1 1/8" steel. The arc is ignited without

high frequency, extending consumable life while at the same time eliminating any interference with computers, TV's or telephones. And it features automatic arc re-ignition for cutting expanded metal.

For all its power, the MicroCut 875S is easy to master, its infinitely adjustable power is easily tamed for even delicate tasks on mild, stainless or high carbon steel, aluminum, brass, copper, galvanized, or rusty or painted plate. The MicroCut 875S comes with a two year warranty and a 90-day money-back guarantee.

Do you need a MicroCut 875S? If your work involves metal, and you can visualize the need for this tool, the answer is probably "yes". The MicroCut 875S . . . it could change the way you think about metal.

Plasma Cutter Machine Covers

A Plasma Cutter Cover is a quick, easy and inexpensive way to ensure that your HTP plasma cutter is always ready to operate at peak efficiency. Made from marine vinyl, polyester-backed, these water resistant, non flammable covers are specially crafted to protect your machine from moisture, dust and other harmful workshop elements. For convenience, each cover includes a series of cutouts that allow the plasma cutter torch and ground to stay connected while the cover is in place. Provide total protection for your plasma cutter . . . it's easy with an HTP machine cover

Cover For	Part #	Retail	Sale
MicroCut 875S	25875 Cover RV	$71.00	$49.95
MicroCut 625	25625 Cover RV	$66.00	$44.95
MicroCut 400	MC25400 Cover RV	$64.00	$43.95
MicroCut 200, 300, & 301	MC25300 Cover RV	$62.00	$41.95

Plasma Accessories

HTP Max Dry #25310-2 List $499.00 **Sale $330.00**
The HTP Max Dry is the ultimate in an air dryer/regulator. Perfect for the serious home shop or in a body shop as a workstation dryer. Forget those dryers which claim to get 99% of the water out of the air – the problem is as the air cools off down line in your air hose, the humidity in the air condenses and turns into moisture, creating headaches for you. The HTP Max Dry eliminates the problem – here's how . . .

The HTP Max Dry is actually 3 filters in one – the first stage is a self draining 5 micron filter – this filters out all liquid water, liquid oil, dust, dirt, rust, and pipe scale down to 5 microns. Now, you're probably wondering what a micron is – it's one millionth of a meter. That means 5 microns is .0002″ – way smaller than the human eye can see.

The second stage is a Coalescing Filter which functions differently from standard particulate filters. Air flows from inside to outside through a coalescing media. Small aerosols come in contact with the fibers in the media. These aerosols unite with other aerosols caught in the fibers. The aerosols continue to unite and emerge as a droplet on the outside of the media. The weight of the droplet allows gravity to drain it away. This system filters all oil mist, water mist, and submicronic particles down to .01 microns!

The third stage is what separates this dryer from all the rest! Air enters this stage and passes through a 70 micron filter. This filter evenly disperses the air through the desiccant bed. The desiccant removes the HUMIDITY from the air to a temperature of -3° F. This eliminates the possibility of any moisture condensing in your air lines and being pumped through your plasma cutter, sander, air ratchet, grinder, or spray gun.

Best of all, the desiccant is reusable. When the desiccant is dry and ready to absorb moisture, it is a dark blue in color. After the desiccant has absorbed all the water vapor it can, it turns to an orangish clear color. Simply pour the desiccant into a baking pan, pop it in the oven at 325°, and bake for approximately 1 hour. It will turn back to blue to provide you with clean dry air. The HTP Max Dry will eliminate your moisture problems – aren't your air tools and paint projects worth it?

HTP Super Dry #25300 List $10.99 **Sale $6.99**
We've looked a long time for a high quality air dryer that would solve moisture problems for plasma cutters. One that would be affordable – and we finally found one! I've used this dryer on all kinds of applications – painting, sanding, air tools, and of course plasma cutting, and have found it to work great! The secret is the desiccant – it will actually absorb the humidity from the air, guaranteeing that no moisture gets past it. Additionally, a sintered bronze element removes all dust and dirt particles down to 5 microns! Best of all, the filter changes from a dark blue color when it's new, to clear when the desiccant has absorbed all the moisture it can. It's easy to tell when to replace the filter.

When you look at the money you have invested in air tools, plasma consumables, or even a gallon of automotive paint, the HTP Super Dry is an inexpensive insurance policy.

HTP Plasma Parts

20011

38011

Plasma Parts Kit

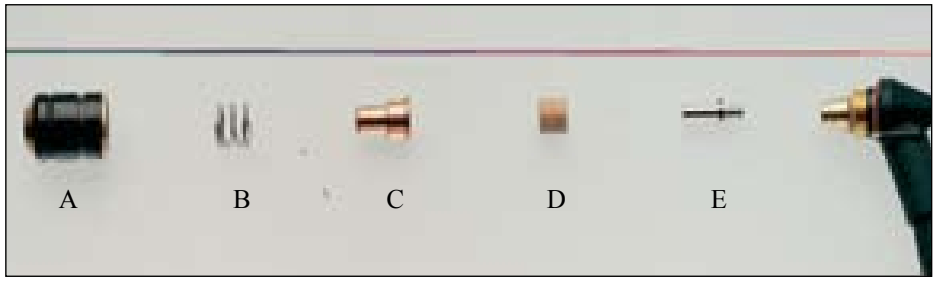
The cutting torch of plasma cutters is susceptible to the same heat damage and slag build-up as a MIG welding torch. Eventually, these parts will need replacing. Parts are available individually, or order the convenient parts kit in the handy carrying case with tip wrench.

20011	**Parts Kit f/MicroCut 200**	List $74.95	**Sale $55.00**
23011RF	**Parts Kit f/MicroCut 250RF & 125RF**	List $79.95	**Sale $60.00**
38011	**Parts Kit f/MicroCut 300, 301, 380, 400**	List $74.95	**Sale $55.00**
26011	**Parts Kit f/MicroCut 625**	List $98.60	**Sale $65.00**
26011-45	**Parts Kit f/Microcut 625-45**	List $98.60	**Sale $65.00**

26011

23011RF

HTP 250 RF



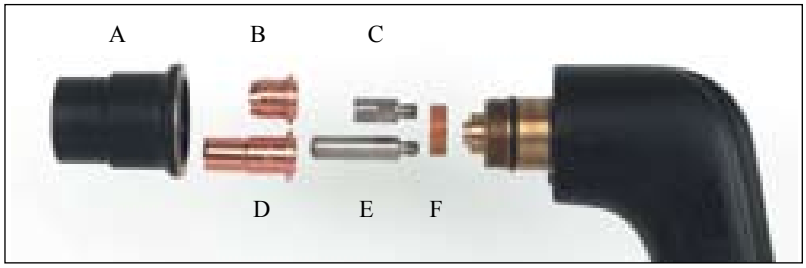
Replacement Parts for HTP-250RF Torches

Illus	Part#	Description	Price
A	23005	Gas Diffuser	$17.95
B	23062B	Spring (Pkg 3)	$ 3.95
C	23130B	Cutting Tip (Pkg 3)	$14.96
D	23058B	Insulator (Pkg 3)	$12.95
E	25003B	Electrode (Pkg 3)	$22.39
	23011RF	Consumable Kit	$60.00

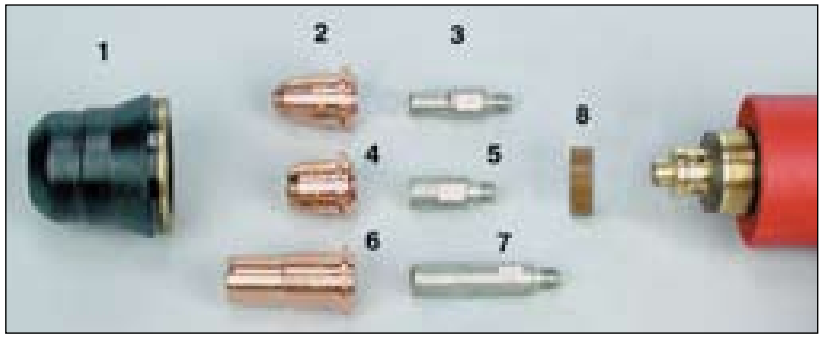
Replacement Parts for HTP MC 625

Illus #	Description	HTP Part #	Price
A	Gas Diffuser	62005	$ 29.96
B	Cutting Tip	62030	$ 3.71
C	Electrode	62003	$ 5.96
D	Extended Cutting Tip	62030E	$ 4.46
E	Extended Electrode	62003E	$ 6.71
F	Swirl Ring	62058	$ 13.46

HTP MC 625



MicroCut 200, 300, 301, 380, 400, 625-45



Replacement Parts for HTP MicroCuts listed below

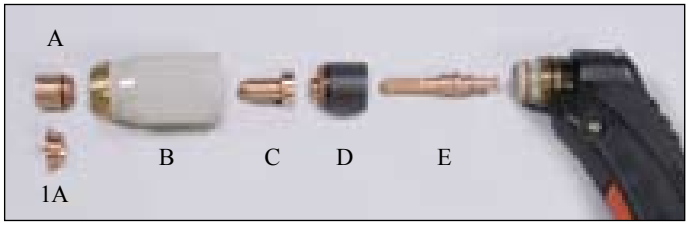
Ref #	Description	200	300, 301, 380, 400, 625-45	Price
1	Gas Diffuser	20005	38005	$18.71
2	Cutting Tip-Std	20030	38030	$ 3.71
3	Electrode	38003	38003	$ 5.21
4	Cutting Tip	N/A	62030	$ 3.71
5	Electrode	N/A	62003	$ 5.96
6	Extended Cutting Tip	N/A	62030E	$ 4.46
7	Extended Electrode	N/A	62003E	$ 6.71
8	Swirl Ring	62058	62058	$13.46

HTP Plasma Parts

Compatible with the following Plasma Torches

Illus	Part #	OEM #	Description	Price
A	HT9-8244	9-8244	Drag Shield Cap 40A	$13.95
	HT9-8235	9-8235	Drag Shield Cap 50-60A	$13.95
	HT9-8236	9-8236	Drag Shield Cap 70-100A	$13.95
1A	HT9-8243	9-8243	Deflector Shield Cap	$10.49
	HT9-8241	9-8241	Gouging Shield Cap	$13.95
B	HT9-8237	9-8237	Shield Cup Body	$31.45
	HT9-8218	9-8218	Shield Cup	$19.78
C	HT9-8205	9-8205	Cutting Tip Drag - 20 amp	$ 5.15
	HT9-8206	9-8206	Cutting Tip Drag - 30 amp	$ 5.15
	HT9-8207	9-8207	Cutting Tip Drag - 40 amp	$ 5.15
	HT9-8208	9-8208	Cutting Tip - 40 amp	$ 5.15
	HT9-8209	9-8209	Cutting Tip - 50 amp	$ 5.15
	HT9-8210	9-8210	Cutting Tip - 60 amp	$ 5.15
	HT9-8231	9-8231	Cutting Tip - 70 amp	$ 5.15
	HT9-8211	9-8211	Cutting Tip - 80 amp	$ 5.15
	HT9-8212	9-8212	Cutting Tip - 100 amp	$ 5.15
	HT9-8226	9-8226	Gouging Tip - Wide	$ 6.29
	HT9-8227	9-8227	Gouging Tip - Wide	$ 6.29
	HT9-8228	9-8228	GougingTip - Medium	$ 6.29
D	HT9-8213	9-8213	Start Cartridge	$25.62
E	HT9-8215	9-8215	Electrode	$ 7.44

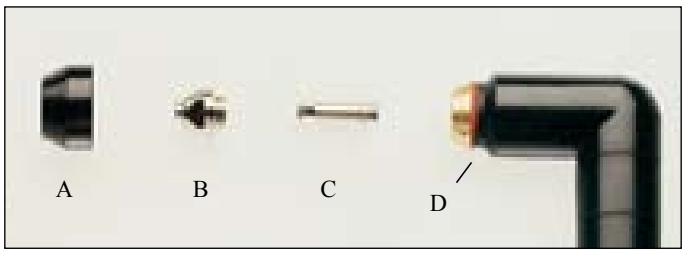
Thermal Dynamics® 1Torch™



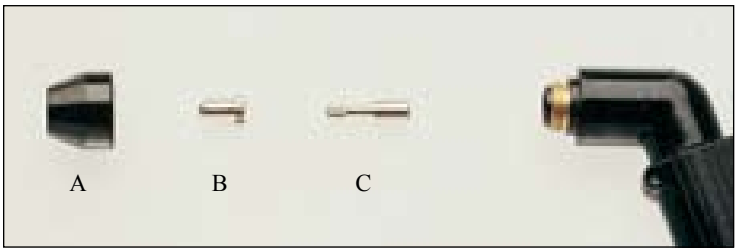
Type PCH-51 Torches/Pak® 3XR™ & 5XR™

Illus	Part #	Description	Thermal Dynamics® #	Price
A	TD8-2152	Shield Cup	8-2152	$10.48
B	TD9-5631	Cutting Nozzle	9-5631	$ 2.90
C	TD9-5633	Electrode	9-5633	$ 6.95
D	TD8-5525	O-Ring	8-5525	$ 1.00

Thermal Dynamics® Type PCH 51 Parts



Thermal Dynamics® Type PCH 20 Torch Parts



Replacement Parts for PCH-20 Torches/Dynapak® 110

Illus	Part #	Description	Thermal Dynamics® #	Price
A	TD8-3214	Shield Cup	8-3214	$20.00
B	TD8-3218	Cutting Nozzle	8-3218	$ 3.90
	TD8-3233	Gas Distributor	8-3232	$ 8.25
C	TD8-4259	Electrode	8-4259	$20.00
	TD8-0531	O-Ring	8-0531	$ 1.60

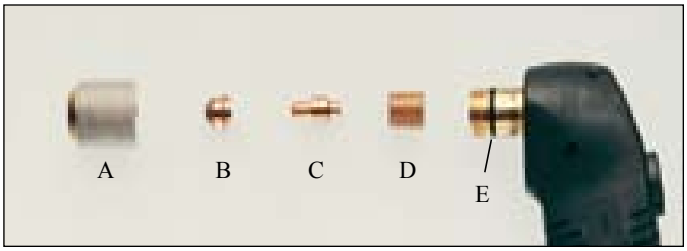
THERMAL DYNAMICS®, Pak® 3XR™, Pak® 5XR™, 1Torch™ and Dynapak 110®, are a registered trademark of Thermal Dynamics Corporations. HTP America, Inc. is not affiliated with Thermal Dynamics Corporation. HTP supplies high quality replacement parts manufactured by or for HTP to demanding specifications. The parts are designed to be interchanged and compatible with the aforementioned companies, are not OEM parts and are not endorsed by the aforementioned companies.

HTP Plasma Parts

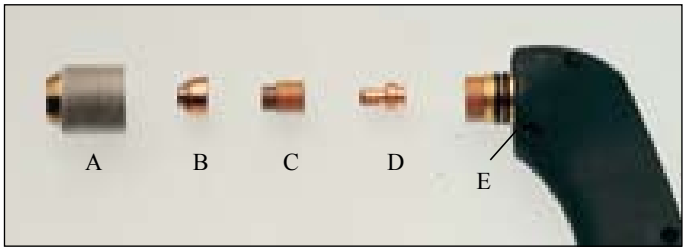
Hypertherm® Type PAC 110 Torches/MAX 20®

Illus	Part #	Description	Century Mfg.	Price
A	HP020 218	Retaining Cap	334-280-100	$13.46
B	HP020 299	Cutting Nozzle	334-279-100	$ 3.20
C	HP020 220	Electrode	334-277-100	$ 5.50
D	HP020 239	Swirl Ring	334-278-100	$13.33
E	HP044 016	O-Ring	512-087-100	$ 1.46
	Not Pictured:			
	HP020 381	Extended Cutting Nozzle		$ 4.46
	HP020 382	Extended Electrode		$ 6.71

Hypertherm® Type Pac 110 Torch/MAX 20® Parts



Hypertherm® Type Pac 140/MAX 40® /HT40® Snap-On® YA5550 Parts



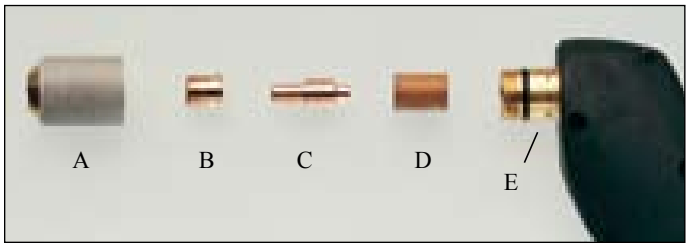
Hypertherm® Type PAC 140 Torches/MAX 40®

Illus	Part #	Description	Cebora	Century Mfg.	Price
A	HP020 200	Retaining Cap		334-271-100	$12.22
B	HP020 197	Cutting Nozzle		334-270-100	$ 4.99
C	HP020 101	Swirl Ring	1510	334-264-100	$15.86
D	HP020 103	Electrode	1521	334-263-100	$ 5.96
E	HP044 016	O-Ring		512-087-100	$ 1.46

Replacement Parts for PAC 120 Torches

Illus	Part #	Description	Price
A	HP020 364	Retaining Cap	$14.96
B	HP020 395	Cutting Nozzle	$ 2.96
C	HP020 351	Electrode	$ 9.95
D	HP020 361	Swirl Ring	$18.71
E	HP044 016	O-Ring	$ 1.46

Hypertherm® Type Pac 120 MAX 40CS®/MAX 42® MAX Snap-On® YA5550 Parts



Circle Cutting Attachment

Here is a unique attachment that can make your cutting jobs not just easier, but also more precise. Anyone can use it! The HTP circle cutting kit includes a 10" cutting bar, 15" cutting bar, compass base, magnetic base, 1/4" pierce base and a dual-wheel car. The two cutting bars can be attached together, allowing you to accurately cut circles anywhere from a 4" to 50" diameter. Straight line cutting? The dual-wheel car makes it a snap.

#38100 For use with the MicroCut 200, 300, 301, 380, 400 & 625-45 List $189.95 **Sale $99.00**

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Answers to Commonly Asked Questions

How long has HTP been in business?
That's an easy one – since 1981!

Why have I never heard of HTP before?
That really doesn't surprise us. You won't find our machines in a local welding distributor. We only advertise in certain publications and over the internet. If you haven't read one of the publications or done much "surfing" on the internet you probably haven't heard of us before.

Why should I buy a welder or plasma cutter from HTP?
First of all, welders, plasma cutters, welding accessories and supplies are our mainstay – we don't have a catalog of everything under the sun. As a result, we know more about our products, can serve you better and can provide more knowledgeable, more professional answers to your welding or cutting questions.

Second, when you call HTP during our business hours, you will talk to a real person. We promise that you'll never get lost in the voice mail jungle and end up having to leave a message because "I'm away from my desk".

Finally, when you compare apples to apples, an HTP MIG or TIG Welder or Plasma Cutter gives you the best value for your dollar. I'm sure that's what you are looking for.

I'm confused. How do I know which welder or cutter is right for me?
Start by looking at what you'll be doing with your machine and what you expect from it. Are you a professional fabricator, weekend racer, hobbyist, farmer, aircraft builder or body shop owner? What materials will you be working with? Does the unit have to be portable or will it be used in a fixed location?

Each of these – and more – is important in selecting the right machine for your specific task. HTP offers a choice of:

- Five MIG Welders and Five TIG Welders – One is right for you. First, you should have an idea of what you are going to weld and where you're going to weld it. What input voltage is available – 110 or 220? Try to determine the thickest material you'll be welding because that tells you how many amps you need. It's the amperage that gives you the penetration (the ability to "burn in" the weld) you will need. The heavier the steel, the more amps you need.
- Four Plasma Cutters – Start with your application – steel, stainless, aluminum, copper, brass, etc. Then decide on the capacity and cutting speed you'll need. Once you know this, the next step is to compare features, specifications and prices.

After all this, it's only normal that you have a few questions. So call us at 800-USA-WELD (800-872-9353) and one of our skilled technicians will be happy to quickly provide the answers.

How do I know I'll like my HTP welder or plasma cutter?
We can tell you all day long how great our welders and plasma cutters are, but the bottom line is this: it has to work for you in your shop on your projects. If it doesn't, then what good is it? That's why HTP offers you a 90-day money-back guarantee on all of our equipment, including welders and plasma cutters – no questions asked! Try the machine or tool in your own shop, on your own projects, for 90 days – if you aren't satisfied we'll take it back. It's that simple.

What do I do about service?
Call us at 800-USA-WELD (800-872-9353) and ask for a service technician. If you have a voltmeter, we can diagnose the problem over the telephone. If you are handy enough to do your own welding or cutting, then you can probably fix your equipment yourself with help from our technicians. Our parts and service facility has all parts in stock and they are shipped directly to you, next day air if necessary. You are up and running in one day without the machine leaving your shop.

Now lets look at the other side of the coin. When you buy a welder or plasma cutter from a local welding distributor it's a whole different story. They probably sell more than one brand and they can't possibly inventory all the parts for all the models. If you have a problem you have to take the machine to them for repair. By the time they get around to diagnosing the problem, get your approval for the repair, and order the necessary parts, a week has passed. After a week without your welder or cutter, and if it's out of warranty, you'll be stuck with a sizable labor bill – at $50 per hour.

Order Form

HTP AMERICA, INC.
3200 Nordic Road
Arlington Heights, IL 60005-4729
800-USA-WELD

HTP America Inc.

EASY ORDER FORM

EASY ORDERING:

By Telephone: Toll Free 800-USA-WELD (800-872-9353)
1-847-357-0700

By Mail: Fill out this easy order form, include your check, M.O. or credit card information.

By Fax: Toll Free 1-877-HTPS-FAX (1-877-487-7329)
1-847-357-0744

SHIPPING INFORMATION:

Small orders are shipped by UPS or Priority Mail. Welders are shipped by truck. Please call 800-USA-WELD and we will be happy to quote the shipping charge on your order.

Next day and 2nd day shipping are also available.

SHIPPING ADDRESS:

Name: _____

Address: _____

City, State, Zip: _____

Phone # Home: (____) _____

Work: (____) _____

BILLING ADDRESS:

Name: _____

Address: _____

City, State, Zip: _____

_____

_____

PART #	QTY.	DESCRIPTION	UNIT PRICE	TOTAL

PAYMENT METHOD:

☐ CHECK ☐ MONEY ORDER ☐ VISA ☐ MASTERCARD ☐ DISCOVER

Credit Card # _____ Exp. Date _____

Signature _____

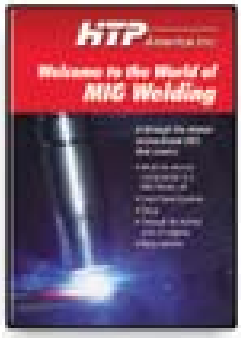
Subtotal	
Tax (IL Residents) 9%	$
Shipping & Handling	$
TOTAL	$

2007CAT

Still unsure?
Our Videos answer your questions in living color!

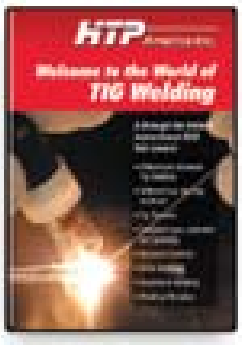
We talk to people every day who want to buy a MIG or TIG Welder and have found that many of you have only read about these machines or have minimal experience with them. As a result, you're a bit leery about purchasing one because you aren't exactly sure what questions you should ask to compare one unit to another. What's more, you might not be 100% certain that a MIG or TIG welder is right for your needs.

HTP has the answer: a pair of video owner's manuals that are ideal for those of you who don't know a lot about MIG or TIG welding and want to learn more.



Welcome to the World of MIG Welding is 52 minutes long. It gives you an exciting, up-close view of MIG welding, just as if you were behind the helmet, doing it yourself. A hands-on video, it covers vital areas such as adjusting the wire feed rate, tack welding, seam welding, plug welding and spot welding.

It even demonstrates cutting a fender in half and butt welding it back together. Several of our most popular metal working tools are also shown in action in this highly informative video.



Welcome to the World of TIG Welding is designed to bring the novice welder quickly up to speed on TIG welding. This 70-minute DVD covers TIG welding equipment and its features, arc starting methods, amperage controls, torches, and best of all, a through-the-helmet view – looking through our Striker Digital Helmet – of TIG welding as it applies to both steel and aluminum.

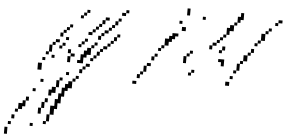
Remember . . . if you buy one of these, the purchase price of the video will be deducted from the price of the welder.

So think about it . . . isn't it worth a few bucks so you don't waste hundreds or even thousands on a welder that isn't right for your job?

If you have any questions, please call us at 800-USA-WELD (800-872-9353) and a trained technician will be happy to answer your welding questions or take your order.

Thank you for considering HTP for your welding and cutting needs.

Sincerely,



Jeff Noland
President
HTP America, Inc.

HTP Welding Aids

HTP Nozzle Spray - #12021 List $5.75 **Sale $3.50**
If you own a MIG welder (any MIG) Nozzle Spray is a must. Prevents costly spatter build-ups on nozzles, tips and swan necks. Not a silicone product, but a specifically designed anti-spatter formula.

HTP Nozzle Gel - #12024 List $6.49 **Sale $4.00**
The most convenient anti-spatter material we've ever offered. This anti-spatter welding gel lubricates nozzles and tips, preventing spatter build-up for longer nozzle life, and does it in a whole new way!

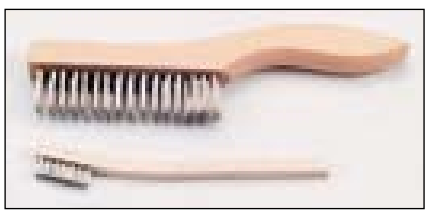
HTP Nozzle Gel comes in an aluminum can (won't burn or melt) with a twist-off top. Each container has a magnetic bottom, so you can stick it anywhere convenient to your project area, and dip your hot nozzle in as you weld, without moving the can. Spatter just taps out! This odorless gel is firm, stays put in high temperature use, even sideways or upside down with the magnetic base. Contents by volume 6 fl. oz., net wt 5.25 oz. We recommend this sensible product to all MIG welder owners.

HTP Prime-A-Weld Zinc - #12022 List $9.95 **Sale $7.95**
Auto workers and metal men for years have used hot dip zinc to slow or stop corrosion. Prime-A-Weld is 95% zinc blended with 5% epoxy resin to produce one tough film. Regular paints can't hold up or bond properly to metal – they are just coatings. Prime-A-Weld zinc-rich treatment actually welds through and chemically fuses to the work surface. Rust doesn't even have a chance to start.

Prime-A-Weld has complete weld-through capability and won't interfere with spotwelds like undercoat paint or plastics. Perfect for rockers, blind panels found on antique restoration, or today's unibody cars. We are proud of this fine product. HTP Prime-A-Weld zinc meets or exceeds all performance requirements including the following specs: MIL-T-210335, repair for hot dip galvanizing. MIL-P-346105-Weld thru primer. Preece test for hot dip galvanizing. Remember, if it won't meet or beat all these requirements, it simply won't work properly. You invest your valuable time and energy, the least we can do is provide the best product for your needs.

Stainless Steel Wire Brushes
These are an absolute must when welding aluminum. Regular steel wire brushes contaminate the aluminum and can cause poor results. Stainless steel brushes will ensure the weld surface is as clean as possible. Available in small and large sizes.

40110 - Stainless Steel Wire Brush (small) List $4.95 **Sale $3.00**
40112 - Stainless Steel Wire Brush (large) List $8.59 **Sale $6.00**



HTP Super Heat Sponge #12084-32 List $36.60 **Sale $22.65**
Have you ever welded or heated an area of your prized auto, a customer's car or a metal project you were working on only to remove your helmet to find warped metal, discolored paint or broken glass? What was the cost of the damage?

We have a new solution … HTP *Super* Heat Sponge!

HTP *Super* Heat Sponge works like magic to absorb heat and provide a protective barrier to stop the damage excessive heat can cause. Apply on the backside of the weld area as well, to reduce discoloration and distortion on lightweight metal. HTP has always had a Heat Sponge product however our new reformulated *Super* Heat Sponge absorbs even more heat.

It's easy to use. Spread a liberal amount around the work area, now you can start to weld, braze or solder. *Super* Heat Sponge will soak up the dangerous heat next to your finished work. The paste is dried out in the heat exchange and your metal is protected from the heat. Wipe off and put it back in the can. *Super* Heat Sponge is reusable and can be used again and again. Rinse the work area with water and you're done. Apply *Super* Heat Sponge to finished surfaces to protect from heat damage or weld spatter. HTP *Super* Heat Sponge works for lead applications near gaskets or windows, use it vertically, horizontally, or overhead. Non-toxic, safe for all skin contact, produces no odor.

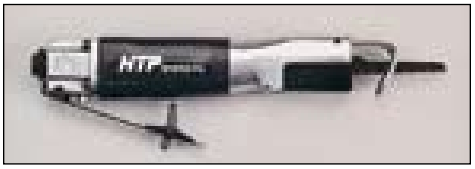
HTP *Super* Heat Sponge is user friendly, environmentally safe and 100% biodegradable. Available in 32oz. jars. Add up the advantages: eliminate discoloration, distortion and breakage, save costly tear down and reassembly, save time and money.

HTP Brushable Prime-A-Weld - #12023 List $14.95 **Sale $8.95**
Auto body technicians came to us and wanted our aerosol Prime-A-Weld in a convenient brushable form. When there was only a small area on the vehicle which needed the zinc protection Prime-A-Weld offers, when they wanted to minimize overspray, they wanted Brushable Prime-A-Weld. Available in convenient 8 oz. cans with a brush in the lid, Brushable Prime-A-Weld is easy to apply. As shown by ICAR in their unibody repair course.

Accessories

HTP Air Body Saw
Our air body saw is a great time saver – perfect for cutting thru reinforcements on body panels that would stop a nibbler. Also works great on plastic bumpers and fiberglass.
#90170 List $139.00 **Sale $79.00**

Replacement Blades (Pkg 5) #90172 List $18.95 **Sale $9.95**
(24 or 32 teeth per inch)



Clecos #99160 List $59.95 **Sale $35.00**
For fabricators and racers, nothing works better to hold metal in place prior to welding than Clecos. They're actually removable rivets. Place the panel in position, drill a 1/8″ or 3/16″ hole, and using the installation tool, insert the Cleco thru the hole. The two panels are now tightly held together. Clecos are reusable, and they'll be your "third, fourth and fifth hands" for years to come. Kit includes ten 1/8″ clecos, ten 3/16″ clecos, two edge holding clecos and the installation tool. Comes complete with handy carrying case.

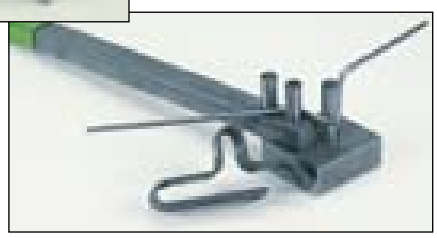
Angle Clamp – Have you ever wanted to fixture a project in a perfect 90° angle? Then we have the clamp for you. The HTP angle clamp takes set-up time and effort out of metal-working applications that require right angle welding, machining, or grinding. The self centering jaw adjusts to accommodate work pieces of different sizes. The HTP angle clamp is made from cast iron and zinc plated for long life. It features a hardened steel spindle with heat treated copper plating to resist spatter. Slotted holes allow you to mount this clamp on a workbench or drill press. Work surfaces and the base are milled to exacting specifications to give you added precision. This is a great clamp for home/farm/shop use as well as industrial applications.

Part	Miter Capacity	Jaw Height	Jaw Length
#90390	3 5/16″	1 3/8″	4 1/8″

List $189.00 **Sale $95.68**

HTP Bracket Bender #90260 List $119.95 **Sale $74.95**
This is one of the handiest tools I have come across. You won't believe all the uses you'll find for it! Designed for muffler shops so they can bend brackets and hangers to weld on to universal mufflers, this tool will do so much more. Mount it in a vise, or weld it to a bench, the HTP Bracket Bender can bend up to 3/16″ diameter round stock or flat stock up to 1/8″ x 1″.

For street rodders or car restorers, the bracket bender is perfect for making custom throttle or transmission linkages. If you're a neat freak, you can custom make hooks to hang extension cords or tools. I used it to make a hanger to wrap up the cord on our portable air compressor. Farmers and ranchers will find this tool extremely handy for making brackets or linkage for modifications to implements. Whatever bracket or linkage you may need, the HTP bracket bender is up to the test!



Accessories

HTP Quick Notch
Attention Race Car Builders, Street Rodders, Pro-Streeters, Metal Fabricators, Ranchers, and anyone working with round or square tubing the HTP Quick Notch is here! The HTP Quick Notch will make it possible for you to notch round or square tubing quickly, accurately, easily and affordably.

The HTP Quick Notch features a rugged, 3/8" thick, CNC machined aluminum backing plate for long life and durability. The V-Block Vise centers tubing from 5/8" to 2" diameter with virtually any size cutter (standard hole saws work fine) and securely locks it into place. Since the cutter and the work are locked into place with each other, there is no chance of the cutter grabbing, the tubing getting thrown, or bending thin wall tubing.

Etched into the anodized backing plate of the HTP Quick Notch is a scale which runs from 0 to 60 degrees. This allows you to quickly and accurately set the cutting angle, giving you a perfect fit every time.

Just picture how easy your next project will be using the HTP Quick Notch! You'll have perfect fits, which will make your project look like it was professionally built, and it will make your welding go quick and easy. Now available in two models, the original HTP Quick Notch and the Quick Notch Junior.

HTP Quick Notch #90250 - features 3/8" thick anodized aluminum backing plate, adjustable base plate for drill press mounting and 3 piece V-Block Vise. **Sale $249.95**

HTP Quick Notch Jr. #90251 - this new low cost model will fit anyone's budget – 3/16" thick silver powder coated steel backing plate, 90 base plate and 3 piece V-Block Vise. This unit is designed to be mounted in a vise. **Sale $159.95**

Quick Notch Jr.

Quick Notch

Hole Saws - All HTP Hole Saws feature bi-metal, uni-weld construction with a cup thickness of .191″, preventing pilot hole elongation. Slanted knock out holes make it much easier to clean debris out of the saw. Electron beam welded teeth feature variable pitch to ensure our hole saws will stay sharper longer. These high quality hole saws are made in the USA and are available individually or in kits.

#90255 - 7/8", 1", 1 1/8", 1 1/4", 1 1/2" **Sale $59.95**
#90269 - 3/4", 7/8", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2" **Sale $129.95**

Welding Jacket XL List $35.00 **Sale $26.25**
Welding Jacket XXL List $38.50 **Sale $28.88**

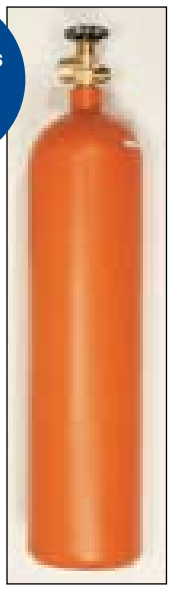
Welding safely is a top priority here at HTP, so wearing the proper protective garments is a must! Our Green Welding Jacket measures a full 30" in length, from base of collar to bottom hem, for complete coverage. Constructed of durable, 9.5 oz/sq. yd flame retardant 100% cotton sateen with non-reflective snaps at the sleeves and front for safe, secure closure and features an inside lapel pocket measuring a handy 6" x 5". More comfortable than leather, this lightweight jacket will keep you both cool and safe! You'll quickly agree that it provides the ultimate in protection and comfort. Machine-wash and dry, or can be dry-cleaned.

Gas Bottles

Buy two so you always have a full bottle on hand!

- 55 Cubic Foot Capacity for 3 to 4 hours of welding
- 99900 rated 3A1800 (1800 PSI Max pressure w/5% overfill)
- 99900-2015NC rated 3A2015 (2015 PSI Max pressure w/5% overfill)
- Valved CGA 580 for Argon/CO2 mixtures, Refillable
- Give your gas supplier the specifications to make sure they will fill customer owned bottles.

99900 List $135.95 **Sale $ 80.00**
99900-2015NC List $240.00 **Sale $108.00**



HTP 55 Cubic Foot Gas Bottle

HTP Flowmeter #12020-F List $89.95 **Sale $39.95**

For those who want a more accurate gas delivery system, the HTP flowmeter is the answer. Perfect for all TIG and MIG welding applications, the HTP flowmeter is an economical alternative for the demanding customer who wants more precise gas metering. The HTP Flowmeter has a CGA-580 tank fitting so it will screw right into Argon, Argon/CO2, and Helium tanks. The square polycarbonate flow tube reads from 10 to 60 CFH. The single stage regulator has a large 1 1/2" diameter pressure gauge which reads from 0 to 4000 psi, so you know how much is left in your tank. The HTP Flowmeter is backed with a 2-year warranty, and provides reliable performance at an affordable price!

HTP Leather Welding Gloves
Natural leather is the best protection against heat, sparks, and spatter. HTP's Leather Gloves are strong and comfortable, and extra long to protect wrists.
#12550 List $12.95 **Sale $8.00**

HTP Maghold #90180
The HTP Maghold is an indispensable tool for chassis and sheet metal fabricators. This handy tool will hold any piece of tubing over 1/2" dia. at a 45°, 90° or 135° angle while you weld it into place. Also works great on steel plate and square tubing.
List $17.95 **Sale $12.00**

HTP Auto Body Tools

A. HTP Stud Setter Kit - #12010 List $479.95 **Sale $335.00**
Pull dents with professional results . . . and a whole lot more! This completely portable unit lets you work anywhere. Tests in bodyshops show that the Stud Setter can reduce labor costs by 40% to 80%.

Attach the tip for stud welding, insert studs, pull the trigger and electrically weld the stud to the dented panel. Attach the Slide Hammer to the stud and pull the dent, or attach a row of studs and use a clamp and "Come Along" for big dents. Each stud provides about 500 pounds of pull strength, but can be easily ground off without heat distortion. The Stud Setter makes quick work of hail dents and door dings.

Weld studs to cold-rolled, high strength, galvanized and stainless steels – all without making holes or removing inner panels.

Another use for your Stud Setter is the installation of trim rivets. Many late model cars require these fasteners. Simply attach the trim rivet tip, place a trim rivet in the magnetic tip, hold the gun tip to your scribed line, pull the trigger, and "ZAP", you're done.

On the vehicle, you can shrink stretched metal with clean instant electric heat exactly where you want it, then hammer and cool with a wet rag – continue until done. Get rid of "oil can" areas and reduce high spots. It's great for hard-to-reach places, overhead or at any angle, on 26 gauge through 16 gauge.

A great buy even if it did one job well . . . an incredible value to you because it does three jobs extremely well. Complete step by step instructions enclosed.

A

B

(See #12015-B, below if you own a MIG before purchasing this tool.)

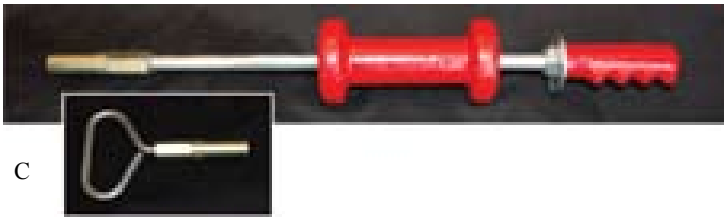
Kit includes:

1 HTP Stud Setter	1 Box 250 Studs
1 Slide Hammer	1 Box Trim Face Rivets
1 Stud Welding Tip	1 Shrinking Tip
1 Steel Service Tray	1 Trim Rivet Tip

Stud Setter replacement tips are also available individually:

#12012	**Shrinking Tip for Stud Setter**	**$12.95**
#12013	**Stud Welding Tip for Stud Setter**	**$12.95**
#12014	**Trim Tip for Stud Setter**	**$19.95**
#12038	**2.0mm Studs Box 500**	**$15.00**
#12039	**2.6mm Studs Box 500**	**$15.00**
#12037	**Trim Rivets**	**$14.95**

B. Entry Level Stud Setter Kit - #12010E
List $349.00 **Sale $199.00**
Pull dents with professional results! This is just like our #12010 Stud Setter Kit- allows you to pull dents without drilling holes. Simply electrically weld the stud to the dented panel, attach the slide hammer, and pull the dent! It's that simple! Each stud provides 500 lbs. of pulling power. With optional accessories you can also weld trim rivets and shrink! The entry level stud setter kit includes the Stud Setter Gun, slide hammer, stud welding tip, 100 studs, and molded plastic box!


C

C. Binzel® Style Guns - #12015-B List $99.95 **Sale $65.00**
Tweco® Style Guns - #12015-T List $149.95 **Sale $95.00**
Originally built for the bodyshop and now available to you to get professional results at home. It works so easily anyone can lift out dents and save hundreds in repair bills. Here's all you do. Set your HTP or other MIG Welder to the proper heat range. Install your stud weld nozzle (#15007), place a stud in the guide, hold gun and nozzle at an angle so that the stud is 90 degrees to the work surface. In spot weld mode just pull the trigger and you've set the stud.

Now attach the slide hammer to the stud and pull, or put several studs on and use other clamps and pull devices. The perfect accessory for those hard-to-pull dents. No more drilling holes: a real solution, not a patch. You won't know how you did without it! The HTP Dent Puller Kit comes complete with slide hammer, 500 studs and stud welding nozzle.

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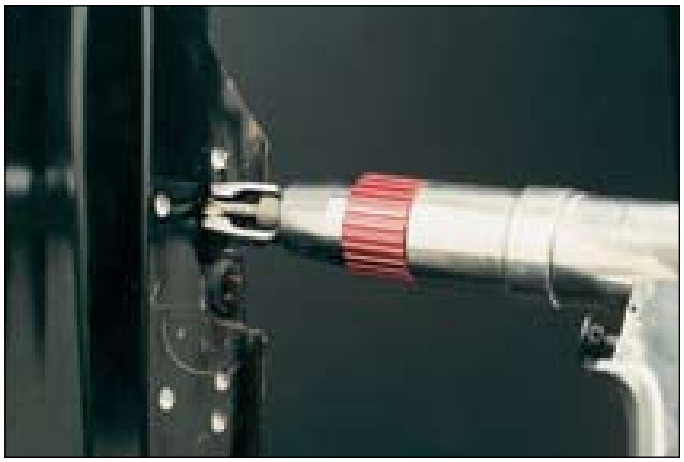
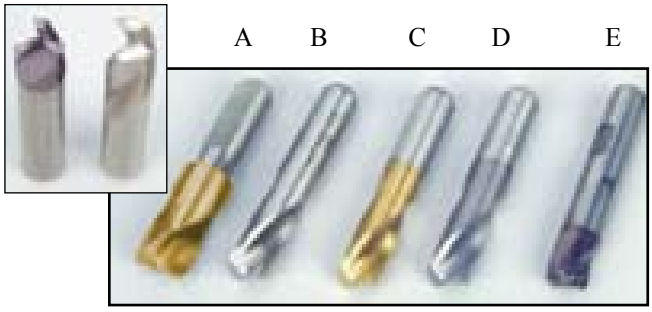
HTP Auto Body Tools

HTP Spot Mill - #90150 List 449.00 **Sale $249.00**
Imagine the best spot weld removal tool you can. It would have to drill out spot welds quickly and be able to remove spot welds without drilling through both panels. It would have to be easy to start, without a center punch and not walk around the panel. It would have to have a long lasting drill bit. Well, you've just imagined the HTP Spot Mill. This unique tool has a hardened cobalt steel bullet point drill bit. It's actually more like a bit found in a Bridgeport milling machine. The depth of cut is set by turning the adjusting ring, so you can set the tool to only cut through the upper panel. The high torque, low RPM drill motor cuts out spot welds quickly, without over-heating the drill bit which results in long drill life. Best of all, with the HTP Spot Mill, you can remove spot welds without having to access both sides of the panel. You know what a problem spot weld removal is. The HTP Spot Mill solves that problem quickly, easily and efficiently. The HTP Spot Mill is the spot weld removal tool you've been waiting for. Includes rugged molded case, 4 replacement cutting bits, regulator and oiler.



HTP Spot Weld Drill Bits - are made of top quality, West German tool steel. This high-speed steel is mixed with a special cobalt alloy (EMO5-CO5), resulting in drills that can be expected to last twice as long as standard high-speed steel bits. Tests in our 90150 HTP Spot Mill have resulted in over 100 spot welds removed. These advanced HTP drills also work great in any other spot weld cutter.

Measuring 1 ¼" long x 5/16" diameter, they can be used in any drill which runs between 700 to 1800 rpm. Of course, as with any cutting tool, use of a cutting oil will greatly increase the life of the tool. Once you use an HTP Spot Weld Drill, you'll never go back to hole-saw-type cutters again.



A) 90151-10TIN - This is the HSSE bit which contains special cobalt alloy - and is coated with space-age Titanium, which is what gives the bit its gold color. This bit lasts three times longer then our 90151 HSSE colbalt bit. This bit features a 10mm diameter cutting face. List $34.95 **Sale $21.63**

B) 90151 – This is the HSSE bit which contains the special colbalt alloy – lasts twice as long as HSS bits. This bit has an 8mm diameter cutting surface. List $14.95 **Sale $10.00**

C) 90151-TIN - You know these bits are different the minute you look at them. We took our HSSE cobalt alloy bit and coated it with space-age Titanium, which is what gives the bit its gold color. The durable, titanium coating on these bits makes them last three times longer than our 90151 HSSE cobalt bit. This bit has an 8mm diameter cutting surface. List 24.95 **Sale $15.00**

D) 90151-TICN - This is the top of the line bit - Titanium Coated and Carbon Nitrited. This exceptional coating is extremely hard while offering a very low coefficient of friction, so it runs cool. The bit's purple color comes from the carbon nitriting process, which makes this bit last four to five times longer than the standard HSS bit. This bit has an 8mm diameter cutting surface. List 29.95 **Sale $18.00**

E) 90151-3 – This is truly the top of the line. If you are working on late model, uni-body vehicles (Daimler/Chrysler, Porsche, Audi, Volvo, BMW, just to name a few) using very high strength, extremely hard Usibor or BTH steel, then you need this cutter or a plasma cutter to cut through these exceedingly tough, ultra-hard materials. This spot weld drill bit features a special, three-fluted design and combines all of the benefits of TiN, TiAN, and TiCN coatings. Watch it cut through these unusually hard steels while other drill bits just dull. Not recommended for use in a drill, but are designed specifically for specialized spot weld cutting tools. This bit has an 8mm diameter cutting surface.
List 65.95 **Sale $50.00**

HTP Versa Spot 7000 Air Cooled #67000 **$3,695.00**
HTP Versa Spot 7000 Water Cooled #67000-WC **$5,695.00**

HTP has been supplying modern collision repair facilities with state-of-the-art MIG Welders since 1982. If there is one thing we've learned over the years, it's that we can have several tools which all perform basically the same job – with each tool being just a little more specialized and doing its specific job a bit quicker and easier. For example, we have sockets, open end wrenches, box end wrenches and combination wrenches. They all loosen or tighten nuts and bolts, but each has a specific application in which it works better.

Which brings us to the HTP Versa Spot 7000 STRSW welder. A MIG Welder is a tool we all rely on to make quality welds, and that has served the modern body shop well. With the introduction of the Versa Spot 7000, however, the time has come to introduce an exciting new welder to the contemporary collision repair facility.

STRSW or Squeeze Type Resistance Spot Welding has been around for well over 50 years. Now, with the Versa Spot 7000 STRSW, an affordable, practical spot welder is within the reach of practically every one of today's collision repair facilities.

The Versa Spot 7000 is a fully digital, micro-processor-controlled resistance welder. All you do is set the thickness of the panels you're welding. That's it. The machine then selects the welding current and the number of welding cycles necessary to achieve optimum results! This unique tool allows you to weld quarter panels, roofs, and core supports both quicker and with less finishing time than a MIG Welder.

At the center of the Versa Spot 7000 is a heart of copper. Just like our MIG Welders, the Versa Spot 7000 features a solid copper-wound transformer.

This new spot welder's 7,000 amps of power means it can weld panels up to 12 ga thick (.100"). There's more, lots more . . . the Versa Spot's "Pulse Welding" feature produces better results when welding through primer or galvanized panels. Our state-of-the-art, spot welding gun produces 265 lbs of clamping force. The air cooled cables and spot welding gun means you can work fast – make 165 welds/hr on 18 ga panels or 215 welds/hr on 22 ga panels in the continuous mode at 7,000 amps. Optional water cooling increases the duty cycle even further – make 1000 welds/hr on 22 ga panels or 500 welds/hr on 16 ga panels.

Cart Included

#67000 - Air Cooled Shown

Spots per Hour

	Air Cooled		*Water Cooled*	
Thickness	Continuous	Pulse	Continuous	Pulse
20 ga (1.0 + 1.0)	200	65	1000	340
18 ga (1.2 + 1.2)	165	50	900	280
16 ga (1.5 + 1.5)	100	43	550	240

The water-cooling option offers fully water-cooled welding cables and spot welding arms. A water-cooler attaches to the cart and recirculates coolant through the spot welding cables and spot welding arms. With eight optional air-cooled spot welding arms and three water-cooled spot welding arms available, your Versa Spot 7000 can access many areas other welders can't get to.

The Versa Spot 7000 is just that – Versatile! Perform double-sided spot welds with the pneumatic spot welding gun. Utilizing the Spotter Accessory Kit, perform single-sided spot welding, stud welding, washer welding, and star welding for dent pulling, trim rivet welding, bolt welding, and shrinking.

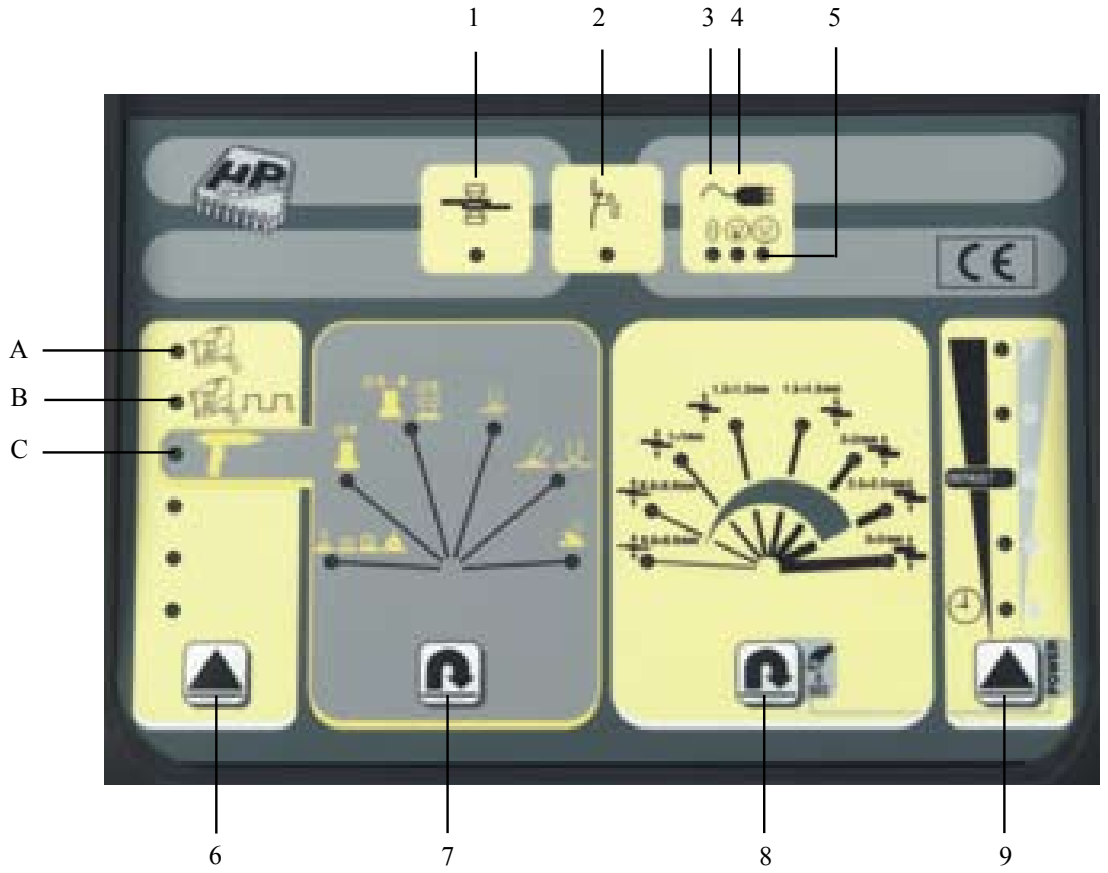
If you're looking for a high-quality, easy-to-use, affordable STRSW system for your business, then look no further. The HTP Versa Spot 7000 brings STRSW technology and productivity into your shop today!

Technical Specifications	
Maximum Welding Current	7000 amps
Welding Voltage	8.6 volts
Electrode Pressure @ 110 psi	265 lbs.
Input Voltage	220 volts
Input Amperage	63 amps
Maximum Power	58 kVA
Rated Power	14.2 kVA @ 50%
Maximum Double Sided Spot Welding Thickness	1/8" + 1/8"
Duty Cycle	3%
Welding Cable Length	67"
Input Power Cord Length	8'
Dimensions	25 1/2" L x 14 1/4" W x 12 1/4" H
Weight (Power Supply)	100 lbs.

HTP Versa Spot 7000

Versa Spot 7000 Control Panel

No more knobs and switches! The Versa Spot 7000 has a fully digital control panel. All you do is set the type of tool and the thickness of the panel, and the machine sets the optimum current and number of cycles to optimize the spot weld.



1 Spot Welder Activated – lights up when the machine is performing a spot weld

2 Thermal Switch Indicator – lights up when the duty cycle has been exceeded

3 Low Voltage Indicator – lights up when there is an excessive voltage drop

4 Main Power Indicator – indicates main power is on and voltage is correct

5 High Voltage Indicator – indicates excess voltage

6 Tool Selection Switch – depress this switch to select between the following tools:

- A) Pneumatic Clamp in continuous welding
- B) Pneumatic Clamp in pulse welding for burning through primer and galvanized panels
- C) Single Sided Spot Welding and Accessory Kit

7 Accessory Selector Switch – this switch is only activated when the tool selection switch has selected single sided spot welding. Depressing the switch allows you to select between the following accessories:

- A) Nails, washers and stars for dent pulling and small trim rivets.
- B) 4mm threaded studs
- C) 5mm and 6mm threaded studs and large trim rivets
- D) Single sided spot welding
- E) Shrinking
- F) Stitch welding

8 Panel Thickness Selector – select the thickness of the panel and the Versa Spot 7000 does the rest

9 Spot welding time – allows you to “fine tune” the spot welding time.

HTP Versa Spot 7000

Versa Spot Accessory Kit - 672102 $699.95

Stud Welding

Single Sided Spot Welding

Stitch Welding

The Versa Spot Accessory Kit makes your Versa Spot 7000 do more than just spot welds. The addition of this accessory package makes it possible for you do single sided spot welding when you can't access both sides of the panel. Nail welding, washer welding and star welding are all possible to make your dent pulling jobs easier. Weld two different sizes of trim rivets. Weld five different sizes of threaded fasteners to duplicate original equipment fastening of plastic splash shields and accessories. Weld patch panels in using the stitch welding head with minimal warpage and distortion. The accessory kit also allows you to shrink panels to remove that “oil can” effect. Comes complete with the slide hammer and all the accessories you need to make your Versa Spot 7000 more than a spot welder!

Optional Spot Welding Arms

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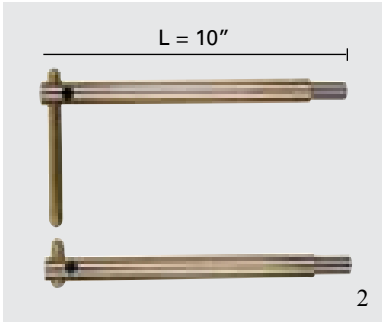

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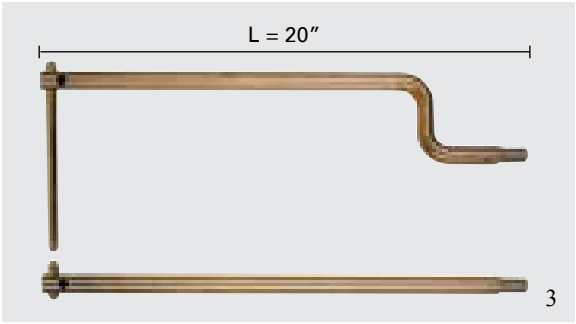

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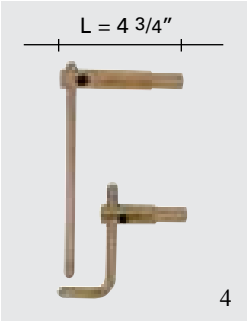

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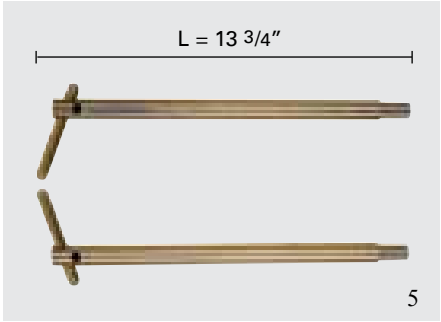

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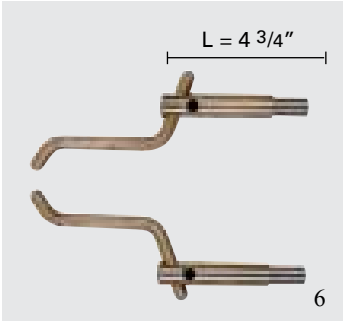

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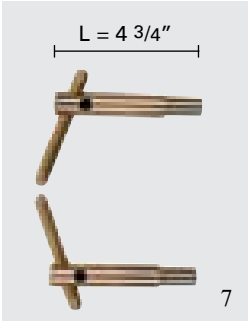

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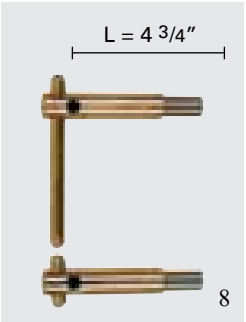

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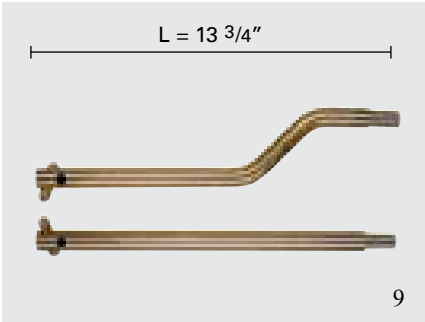

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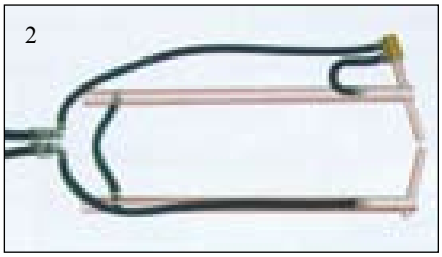
Illus #	Part #	Description	Price
1	673159	Internal Pinch Weld Arms	$144.95
2	673152	Straight Arms (Offset Electrode 10")	$124.95
3	673156	Long Arms (20")	$174.00
4	673158	External Pinch Weld Arms	$109.95
5	673153	Straight Arms (Center Electrode 13 3/4")	$144.95
6	673155	Arms (4 3/4")	$124.95
7	673150	Straight Arms (Center Electrode 4 3/4")	$ 90.95
8	673151	Straight Arms (Offset Electrode 4 3/4")	$ 90.95
9	673154	Arms (13 3/4")	$149.95
	673045	Spot Weld Arms Kit – (Includes 1, 2, 3, 4, 5, 6 Above)	$779.95

1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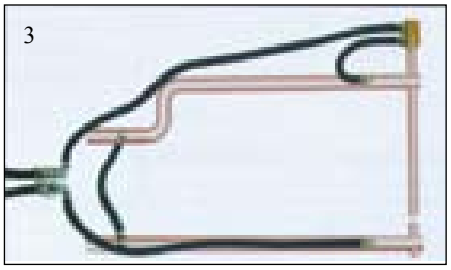

3

Water Cooled Spot Welding Arms

Ilus #	Part#	Description	Price
1	673163	Straight Arms (Offset Electrode - 10")	$249.95
2	673165	Straight Arms (Center Electrode - 13 3/4")	$329.95
3	673164	Straight Arms (Offset Electrode - 20")	$349.95

HTP Quick Spot II #60501 List $1095.00 **Sale $599.00**

Now, with the HTP Quick Spot II, anyone can make factory looking spot welds quickly, easily, and affordably. This 220-volt powerhouse produces 6000 amps, making rust repairs and panel repairs a snap. The Quick Spot II welds with virtually no warpage, and finishing work is minimized because no metal is added in the welding process. You don't have to worry about pitting windshields or burning up interiors because the Quick Spot II eliminates spatter.

Best of all, the Quick Spot II requires absolutely no welding skill to operate. The same Micro-processor technology found in our Versa Spot 7000 means you just select the thickness of the panels you're welding, squeeze the handles together, and the Quick Spot II does the rest. It even has a pulse feature for burning through primers!

The Quick Spot II also uses the same spot welding arms as the Versa Spot 7000, so you will be sure you can tackle just about any welding job that comes your way. We recommend the Quick Spot II for the sophisticated home shop, body man, sheet metal fabrication shop and antique restorer.

Quick Spot II Control Panel

Quick Spot II Specs

Maximum Welding Current	6000 amps
Welding Voltage	2.5 volts
Max. Electrode Pressure	265 lbs
Input Voltage	220 volts
Input Amperage	30 amps
Maximum Absorbed Power	13 Kw
Rated Power	2.3 Kw @ 50%
Spots/Hr (continuous mode 20 ga panels)	180
Maximum Double Sided Spot Welding Thickness	14 ga (.075") + 14 ga (.075")
Dimensions	17" L x 4"W x 7" H

HTP Tip Dresser

Keeping your spot welding electrodes in top shape is critical to making a good weld. Well, leave it to HTP to come up with a quick, easy solution. Our unique Tip Dresser makes it a snap for you to expertly sharpen your spot welding electrodes so they are always in peak operating condition. All you do is chuck the tip dresser in a drill and sharpen! It's that simple to ensure perfectly finished electrodes every time you weld. The HTP Tip Dresser is available to fit 12mm electrodes which work with the Versa Spot 7000 or Quick Spot II.

67000-TD12 Tip Dresser (12mm) **$29.95**

HTP Metal Working Tools

HTP Combination Punch & Flange Tool
Here's a remarkably easy way you can make professional looking and fitting replacement panels, even in the center of large, flat panels without warpage. Best of all, you don't have to be a highly experienced fabricator to get perfect results each and every time.

The flanger will press a 7/8″ wide, .040″ offset in your panel. The benefit of flanging your panel is that it allows you to perform a lap weld rather than a butt weld. Secondly, a flanged panel has significantly more rigidity resulting in less warpage when welding.

Swivel the head and the flanger becomes a hole puncher. The quick and easy way to punch holes in panels for MIG Plug Welding. Your choice of 3/16″ or IICAR recommended 5/16″ holes.

This labor saving tool will produce factory looking repairs requiring less finishing time, saving you time and money. Much faster than the "vise grip" style flangers. Replacement punch and die sets are readily available which means this tool will last you a lifetime. Punches and flanges in metal up to 20 gauge thick.

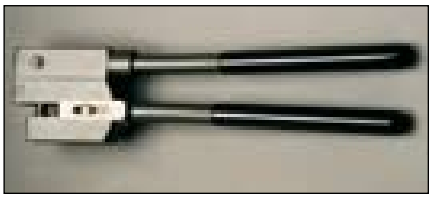
12003	HTP 3/16″ Combination Punch & Flange Tool	**Sale $91.00**
12005	HTP 5/16″ Combination Punch & Flange Tool	**Sale $91.00**
12006	5/16″ Punch and Die Set F/12005	**Sale $39.00**
12007	3/16″ Punch and Die Set F/12003	**Sale $39.00**
12065	Pneumatic Punch & Flange Tool - 3/16″	**Sale $85.00**
12066	Pneumatic Punch & Flange Tool - 5/16″	**Sale $105.00**

Belt Sander - #90140 List $269.00 Sale **$149.00**
Restorers, street rodders, fabricators, racers - anyone who is serious about the appearance and performance of their machines will appreciate our timesaving pneumatic belt sander. This sander will get into the places others won't. Porting cylinder heads, grinding down inside corner welds, removing unsightly casting marks . . . these jobs are a snap with our 3/8″ belt sander. Get into those tight, hard to reach recesses, crevices and curved surfaces. The adjustable belt guide rotates a full 160 degrees to get sanding power where you need it. Belts can be changed in seconds, thanks to the simple, "quick change" belt guide design. We can't begin to tell you how many uses we've found for this tool - and you'll probably find even more! It's ideal for the places where a grinding disk just won't fit. The right tool makes work a pleasure, and this is the right tool! Replacement belts available in grits from 60 to 400.

HTP Metal Working Tools

Heavy Duty Hole Punch - #12009 List $138.95 **Sale $95.00**
This heavy duty tool is a must for home restorers, collision repair experts, and sheetmetal fabricators. Easily punches IICAR recommended 5/16″ holes in frame rails for MIG Plug Welding. Adjustable stop allows you to position holes up to 1 1/2″ into the panel. Quickly punches through 16 ga. metal. This is a "must have" tool for bodymen working on unibody cars. Replacement punch and die sets available means this tool will give you a lifetime of service.

5/16″ Punch & Die f/12009 - #12004 Sale $39.00

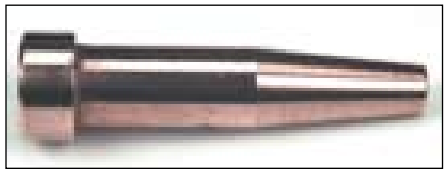


Panibbler - #90120 List $299.00 **Sale $199.00**
Next to one of our plasma cutters, this Panibbler is the most efficient and fastest way to cut metal . . . your very own hand-operated sheet metal shear. It will cut 3/64″ steel or 5/64″ aluminum or stainless as fast as you can go. Use it on a tight curve or radius, even corrugated materials. For long, straight cuts just clamp a straight edge to the panel. Here's how it works: you operate the throttle lever to precisely feather the speed of a two stage reciprocating die which cuts out small, half-moon chips. You can see the cutting die so following your pattern is simple. This machine weighs only 1-1/2 lbs., yet is packed with power for tough jobs. It can cut a hole as tight as a silver dollar. Perfect for cutting rusted areas in hard-to-reach places, making rust and panel repairs easier than conventional hand tool methods.

HTP Oxy-acetylene Cutting Tips

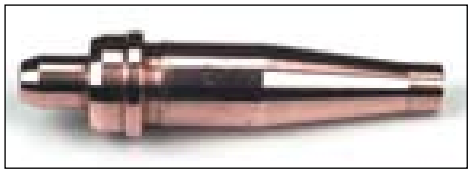
Compatible with the following cutting torches.

HTP now offers oxy-acetylene cutting tips for your welding and cutting needs. If you don't see your cutting torch here, call us at 1-800-USA-WELD, as we probably have it! We also have cutting tips for MAPP gas, Propane and Natural gas.



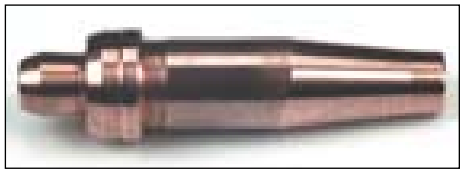
Harris® Style Cutting Tips

Part #	Style	Size	Price
H6290-00	6290	00	$6.95
H6290-0	6290	0	$6.95
H6290-1	6290	1	$6.95



Victor® 1-101 Style Cutting Tips

Part #	Style	Size	Price
V0-1-101	1-101	0	$5.95
V1-1-101	1-101	1	$5.95
V3-1-101	1-101	3	$5.95



Victor® 3-101 Style Cutting Tips

Part #	Style	Size	Price
V0-3-101	3-101	0	$5.95
V1-3-101	3-101	1	$5.95
V3-3-101	3-101	3	$5.95

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Replacement Welding Guns

Let's face it, the right tool makes work a pleasure. Nothing makes welding easier than a small, lightweight HTP welding gun. They're designed to plug in to virtually any welder on the market without modifications. Coaxial cable assembly assures smooth, even wire feed resulting in a stable arc. Easy to service too! Replace that big, bulky, old, worn-out gun with a new HTP Gun today. If you don't see your machine listed, call us for a quote. We can make a welding gun to fit any Mig Welder!

A. Fits Hobart®/Tweco® #H1000
B. Fits Lincoln® #LE100
C. Fits Miller® #M2010
D. Fits HTP #15100
E. Fits Dan MIG® #D-1410
F. Fits Solar®/Century® #S4320-T

HTP MIG Gun Parts

Compatible with the following welding guns.

Auto Arc® 53
Century® 54
Dan-Mig® 54
Daytona Mig® 54, 55
Hobart® 55
Lincoln® 55, 56
Miller® 56, 57
Silver Beauty® 57
Snap-On® 58
Solar® 58
Systematics® 59
Tweco® 59

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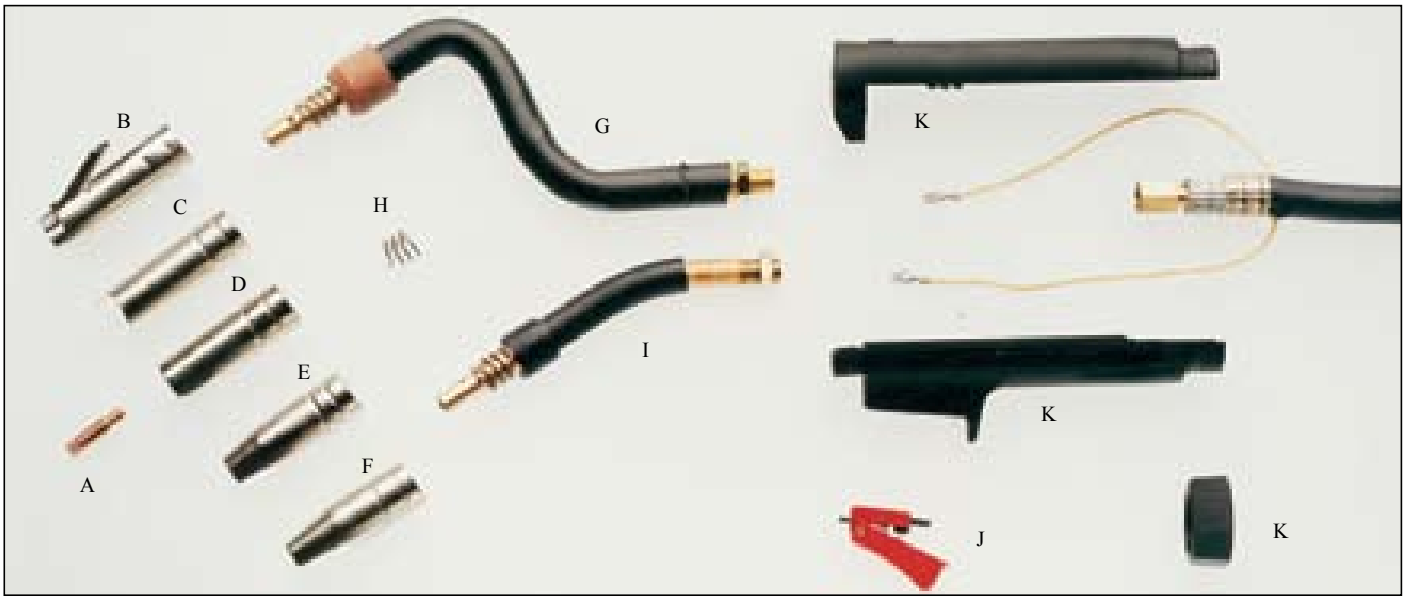
HTP MIG Gun Parts

Compatible with the following welding guns.

Replacement Parts for HTP Welding Guns

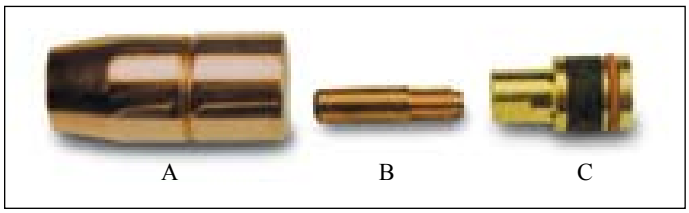


Type 13AK

Illus #	Part #	Description	Price
A	15023B	.023" Contact Tips (Pkg 5)	$ 3.71
	15030B	.030" Contact Tips (Pkg 5)	$ 3.71
	15035B	.035" Contact Tips (Pkg 5)	$ 3.71
B	15007	Stud Welding Nozzle	$11.21
C	15106	Spot Welding Nozzle	$ 7.95
D	15104	Cylindrical Nozzle	$ 6.95
E	15105B	Conical Nozzle (Pkg 3)	$18.56
F	15108	Small Conical Nozzle	$ 6.95
G	15500	Flexible Swan Neck	$65.00
H	15062B	Nozzle Retaining Spring (Pkg 4)	$ 4.95

Illus #	Part #	Description	Price
I	13002	Swan Neck	$ 18.75
	13002-DLT	Gas Diffuser	$ 11.21
J	14009	Trigger Switch	$ 14.50
K	14008	Handle Assembly	$ 18.75
	14508	Handle Assembly for Flex Neck	$ 18.75
	15100	Complete Gun for HTP	$110.00
	15040-16	Steel Liner	$ 17.95
	15044	Teflon Liner	$ 22.46
	14999	Swan Neck 14AK	$ 25.00
15002	Swan Neck 15AK		$ 18.75
	14040	Liner for 14AK	$ 14.96

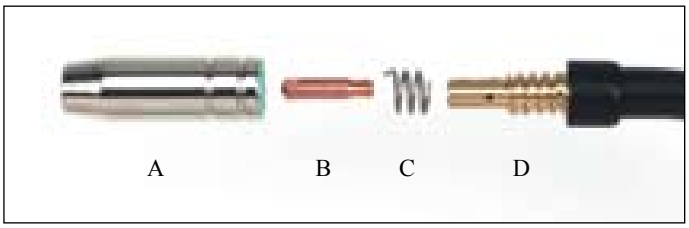
AUTO ARC®
H-10 Welding Gun Parts
Used on XLT 135, XLT 165



Illus #	Description	Oem Part	HTP Part	Price
A	Gas Nozzle	169 715	M169 715	$ 8.40
B	.023" Contact Tip	130 792	M087 299B (Pkg 5)	$ 3.71
	.030" Contact Tip	130 794	M000 067B (Pkg 5)	$ 3.71
	.035" Contact Tip	130 796	M000 068B (Pkg 5)	$ 3.71
C	Tip Adapter	169 716	M169 716	$ 6.56

AUTO ARC®

MWG-160/GA-16C Welding Gun Parts
Used on Benchmark®, Benchmark Pro®, MW 4110, MW 4230, MW 150, Auto Arc® 120, Auto Arc® 140, 175 Mig, 120 Mig, 160 Mig, 190 Mig



Illus #	Description	Oem Part	HTP Part	Price
A	Conical Nozzle	112 746	15105B (Pkg 3)	$ 18.56
	Spot Weld Nozzle	113 019	15106	$ 7.95
B	.023" Contact Tip	112 742	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	112 750	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	121 934	15035B (Pkg 5)	$ 3.71
C	Nozzle Spring	118 570	15062B (Pkg 4)	$ 4.95
D	Gas Diffuser	126 878	13002-DLT	$ 11.21
	Complete Gun	042 051	M-2010	$110.00

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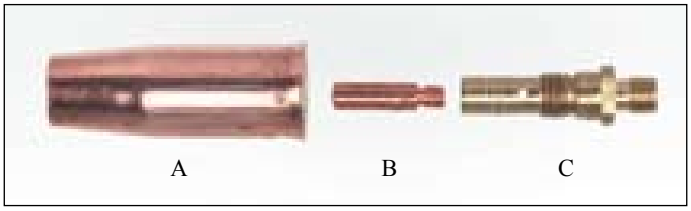
HTP MIG Gun Parts

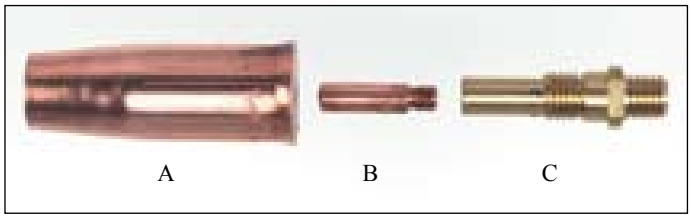
Compatible with the following welding guns.

CENTURY®
Tweco® Mini MIG Welding Gun Parts
Used on Century® Quick Fix 75amp, 110/90, 130, 131, 140, 150, 160, 200, 85 amp Dual Purpose, 105/90.



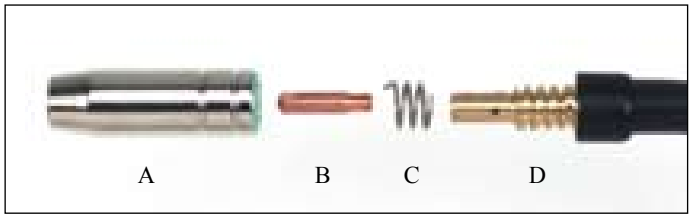
Illus #	Description	Oem Part	HTP Part	Price
A	Conical Nozzle	334-203-000	S4328B (Pkg 3)	$ 18.71
	Spot Weld Nozzle	334-211-000	S4329	$ 8.21
B	.023” Contact Tip	334-159-000	15023B (Pkg 5)	$ 3.71
	.030” Contact Tip	334-160-000	15030B (Pkg 5)	$ 3.71
	.035” Contact Tip	334-161-000	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	334-228-000	S4228	$ 3.71
	Complete MIG Gun	228-155-100	S4320-T	$135.00

CENTURY®
Tweco® No. 1 MIG Welding Gun Parts
Used on Century® 160 and 250



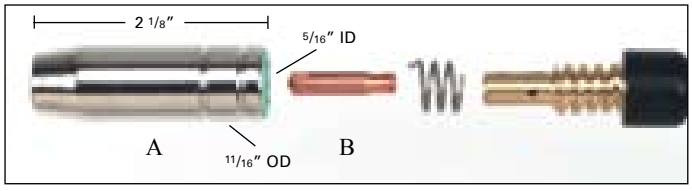
Illus #	Description	Oem Part	HTP Part	Price
A	Conical Nozzle	334-203-000	S4328B (Pkg 3)	$18.71
	Spot Weld Nozzle	334-211-000	S4329	$ 8.21
B	.023” Contact Tip	334-159-000	15023B (Pkg 5)	$ 3.71
	.030” Contact Tip	334-160-000	15030B (Pkg 5)	$ 3.71
	.035” Contact Tip	334-161-000	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	334-363-000	S4228-1	$ 3.71

DAN MIG®
13AK Welding Gun Parts
Used On Dan Mig 140, 140/200, 141, 142, 145, 160, 195, 200, and 3000



Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	2001	15105B (Pkg 3)	$ 18.56
	Spot Weld Nozzle	2003	15106	$ 7.95
B	.023" Contact Tip	2006	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	2008	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	2009	15035B (Pkg 5)	$ 3.71
C	Nozzle Spring	2005	15062B (Pkg 4)	$ 4.95
D	Gas Diffuser	2748	13002-DLT	$ 11.21
	Complete Gun	2010	15100	$110.00
	Complete Gun f/145/3000	2010-145	D1410	$159.64

DAYTONA MIG®
Used on Models 883, 886, and 888



Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	1311	145.9898	$8.95
B	.023” Contact Tip	1457	15023B (Pkg 5)	$3.71
	.030” Contact Tip	1458	15030B (Pkg 5)	$3.71
	.035” Contact Tip	1459	15035B (Pkg 5)	$3.71

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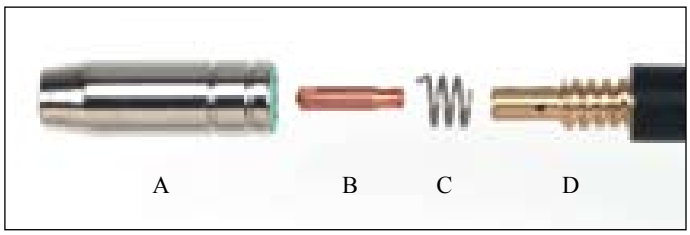
HTP MIG Gun Parts

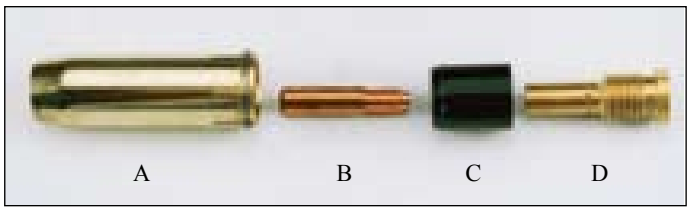
Compatible with the following welding guns.

DAYTONA MIG®
15AK Welding Gun Parts
Used on Models 494, 492, 521, 810, 812, 816, 834, 848, 850, 852



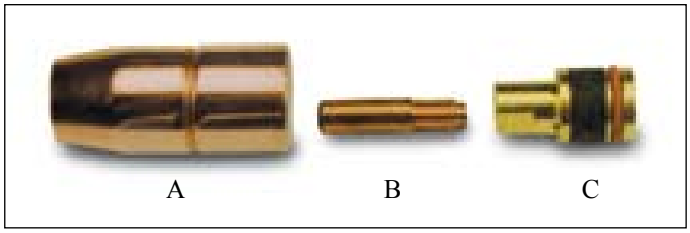
Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	1900	15105B (Pkg 3)	$18.56
	Spot Weld Nozzle	1920	15106	$ 7.95
B	.023” Contact Tip	1457	15023B (Pkg 5)	$ 3.71
	.030” Contact Tip	1458	15030B (Pkg 5)	$ 3.71
	.035” Contact Tip	1459	15035B (Pkg 5)	$ 3.71
C	Nozzle Spring		15062B (Pkg 4)	$ 4.95
D	Gas Diffuser		13002-DLT	$11.21

HOBART®
Piecemaker 14A Welding Gun Parts
Used on Hobart® Handler®, Handler® 120, and Handler® 150



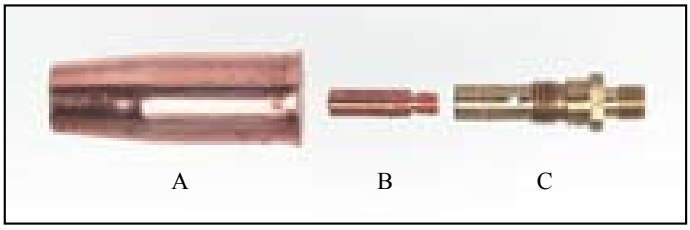
Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle	379 718	H379 718	$ 7.10
B	.023" Contact Tip	379 587	H379 587	$ .95
	.030" Contact Tip	379 304	H379 304	$ .95
	.035" Contact Tip	379 314	H379 314	$ .95
C	Nozzle Adapter	379 708	H379 708	$ 6.95
D	Gas Diffuser	177 107	H177 107	$ 8.35

HOBART®
Fits H-9, H-10, M-10 and M-15 Welding Guns
Used on Handler® 125, 135, 140, 175, 180, Beta-Mig® 1800 500 series, and IronMan® 210



Illus #	Description	HTP Part #	Price
A	Gas Nozzle	770 404	$ 8.40
B	.023" Contact Tip	770 399 (Pkg 5)	$ 3.71
	.030" Contact Tip	770 398 (Pkg 5)	$ 3.71
	.035" Contact Tip	770 400 (Pkg 5)	$ 3.71
C	Tip Adapter	770 402	$ 6.56

LINCOLN®
Magnum® 100L Welding Gun Parts
Used on SP-85, SP-100, SP-100T, SP-125 Plus, SP-130T, SP-155, SP-170T, SP-175 Plus, Mig Pak® 10, Mig Pak® 15, Weld Pak® 100, Weld Pak® 155



Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	M16294	S4328B (Pkg 3)	$ 18.71
	Spot Weld Nozzle		S4329	$ 8.21
B	.023" Contact Tip	S19726-1	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	S19726-2	15030B (Pkg 5)	$ 3.71
	.035” Contact Tip	S19726-3	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	S19728	S4228	$ 3.71
	Complete MIG Gun	K530	SP100-T	$110.00

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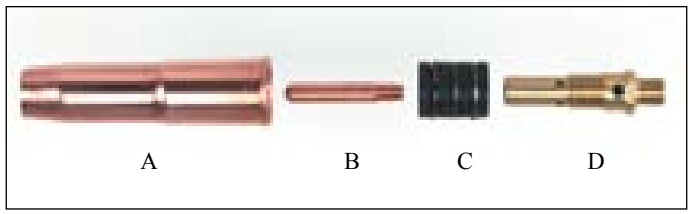
HTP MIG Gun Parts

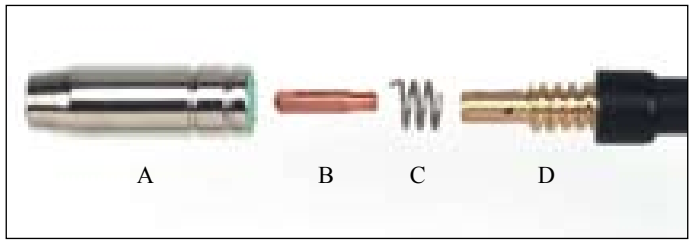
Compatible with the following welding guns.

LINCOLN®
Magnum® 250L Welding Gun Parts
Used on SP-250, SP-255, Wire-Matic® 255, Power Mig® 255



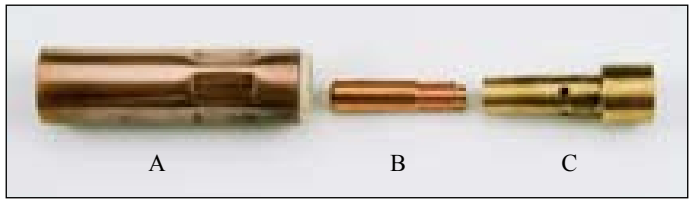
Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	M16093-2	HP22-50	$5.96
B	.023" Contact Tip	S19391-6	HP14-23B (Pkg 5)	$3.38
	.030" Contact Tip	S19391-7	HP14-30B (Pkg 5)	$3.38
	.035" Contact Tip	S19391-1	HP14-35B (Pkg 5)	$3.38
	.045" Contact Tip	S19391-2	HP14-45B (Pkg 5)	$3.38
C	Insulator	S19417-1	HP32	$1.88
D	Gas Diffuser	S19418-2	HP52	$5.25

MILLER®
GA-16C Welding Gun Parts
Used on Sidekick® and Cricket®



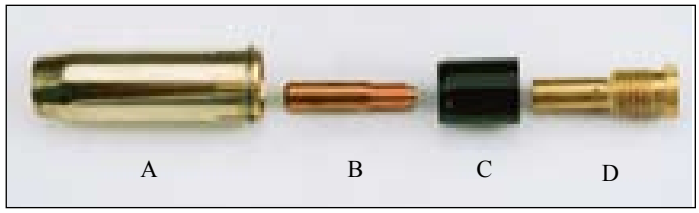
Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	110 789	15105B (Pkg 3)	$ 18.56
	Spot Weld Nozzle	110 790	15106	$ 7.95
B	.023" Contact Tip	110 785	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	110 786	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	110 787	15035B (Pkg 5)	$ 3.71
C	Nozzle Spring	110 782	15062B (Pkg 4)	$ 4.95
D	Adapter	128 878	13002-DLT	$ 11.21
	Complete Gun		M-2010	$110.00

MILLER®
GA-17C Welding Gun Parts
Used on Sidekick® XL, Cricket® XL, Millermatic® 90, 130, 150
Millermatic 120 Prior to KF849783



Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle	128 535	M128 535	$ 6.00
B	.023" Contact Tip	087 299	M087 299B (Pkg 5)	$ 3.71
	.030" Contact Tip	000 067	M000 067B (Pkg 5)	$ 3.71
	.035" Contact Tip	000 068	M000 068B (Pkg 5)	$ 3.71
C	Tip Adapter	118 267	M118 267	$19.41

MILLER®
10A Welding Gun Parts
Used on Millermatic® 130 XP, Challenger® 172



Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle	379 718	H379 718	$ 7.10
B	.023" Contact Tip	087 299	M087 299B (Pkg 5)	$ 3.71
	.030" Contact Tip	000 067	M000 067B (Pkg 5)	$ 3.71
	.035" Contact Tip	000 068	M000 068B (Pkg 5)	$ 3.71
C	Nozzle Adapter	379 708	H379 708	$ 6.17
D	Gas Diffuser	227 135	M277 135	$16.50

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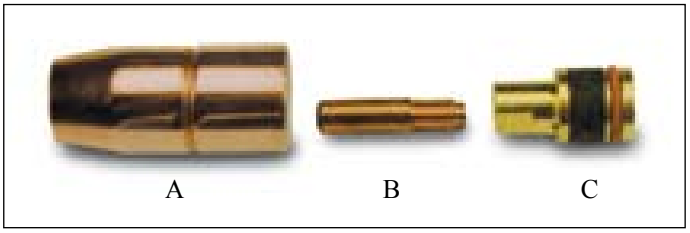
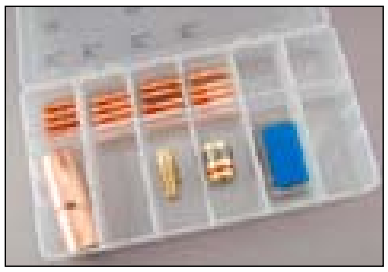
HTP MIG Gun Parts

Compatible with the following welding guns.

MILLER®
H-10 & M15 Welding Gun Parts
Used on Millermatic® 130, 150, Challenger®, 185
Millermatic 120 Effective with KF849783



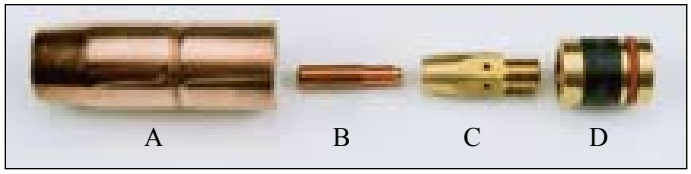
Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle	169 715	M169 715	$ 8.40
B	.023" Contact Tip	087 299	M087 299B (Pkg 5)	$ 3.71
	.030" Contact Tip	000 067	M000 067B (Pkg 5)	$ 3.71
	.035" Contact Tip	000 068	M000 068B (Pkg 5)	$ 3.71
C	Tip Adapter	169 716	M169 716	$ 6.56
	Liner, .023"	194 010	M172 257	$14.00
	Liner, .030/035"	194 011	M172 258	$14.00



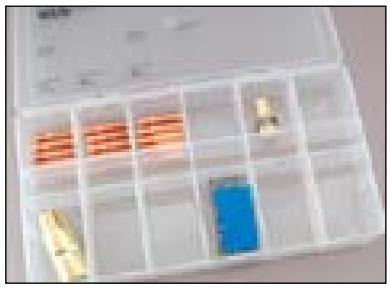
Consumable Kit for
Miller H-10 & M15 Guns #50013-M15
Retail $49.95 **Sale $21.95**

Part #	Qty	Description
M087 299	5	.023 Contact Tips
M000 067	5	.030 Contact Tips
M000 068	5	.035 Contact Tips
M169 715	1	Gas Nozzle
M160 716	1	Tip Adapter/Gas Diffuser
12026	1	Wire Cleaner

MILLER®
M25 / M25M / M40 / M40AL Welding Gun Parts
Used on Millermatic® 200, 210, 212, 250, 250X, 251, 252, 300 and Vintage®



Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle	169 726	M169 726	$9.00
B	.023" Contact Tip	087 299	M087 299B (Pkg 5)	$3.71
	.030" Contact Tip	000 067	M000 067B (Pkg 5)	$3.71
	.035" Contact Tip	000 068	M000 068B (Pkg 5)	$3.71
	.045" Contact Tip	000 069	M000 069B (Pkg 5)	$3.71
C	Tip Adapter	169 728	M169 728	$4.50
D	Nozzle Adapter	169 729	M169 729	$5.51
	Liner, .023"	194 101	M172 257	$14.00
	Liner, .030/035"	194 011	M172 258	$14.00
	Liner, .045"	194 012	M172 259	$15.00

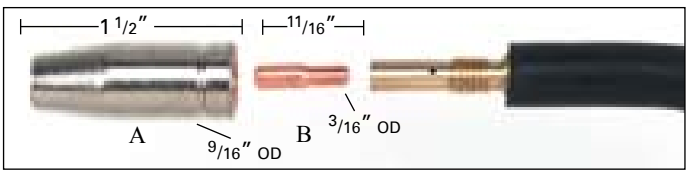


Consumable Kit for
Miller M25/M25M/M40/M40AL Guns #50013-M25
Retail $49.95 **Sale $21.95**

Part #	Qty	Description
M087 299	5	.023 Contact Tips
M000 067	5	.030 Contact Tips
M000 068	5	.035 Contact Tips
M000 069	1	.045 Contact Tips
M169 726	1	Gas Nozzle 5/8", Flush
M169 728	1	Contact Tip Adapter
M169 729	1	Nozzle Retainer
12026	1	Wire Cleaner

SILVER BEAUTY®, SIP, AFF Mitey Mig 101
14K Style Gun Parts

Illus #	Description	HTP Part #	Price
A	Conical Nozzle	14005B (Pkg 3)	$ 24.95
	Spot Weld Nozzle	14006	$ 9.95
B	.023" Contact Tip	14023B (Pkg 5)	$ 6.95
	.030" Contact Tip	14030B (Pkg 5)	$ 6.95
	.035" Contact Tip	14035B (Pkg 5)	$ 6.95
	Complete Gun	81295B	$ 75.00



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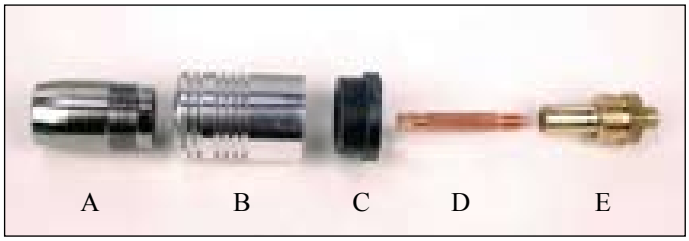
HTP MIG Gun Parts

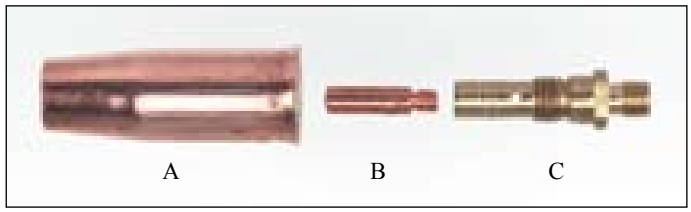
Compatible with the following welding guns.

SNAP-ON® Spool Gun
Used on Models MHG5A, MHG5B, and MHG5300



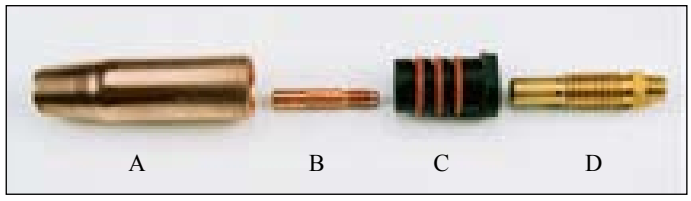
Illus #	Description	HTP Part #	Price
A	Gas Nozzle	M5-C62	$17.95
B	Nozzle Body	M5-NB	$24.95
C	Insulated Bushing	M5-B	$13.95
D	.023" Contact Tip	MG-T25	$ 4.95
	.030" Contact Tip	MG-T30	$ 4.95
	.035" Contact Tip	MG-T35	$ 4.95
	3/64" Contact Tip	MG-T364	$ 4.95
E	Gas Diffuser	M35-D	$21.38

SNAP-ON®
Used on YA205, YA217, YA219, YA240



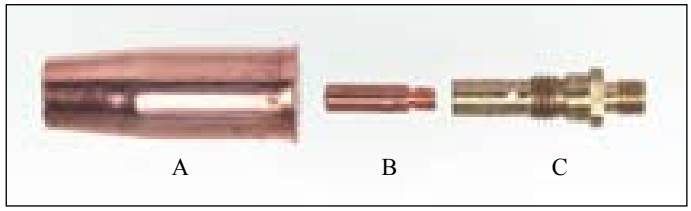
Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	CEN4328	S4328B (Pkg 3)	$ 18.71
Spot Weld Nozzle		CEN4329	S4329	$ 8.21
B	.023" Contact Tip	CEN4309	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	CEN4310	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	CEN4311	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	334-228-000	S4228	$ 3.71
	Complete MIG Gun	CEN4320	S4320-T	$135.00

SNAP-ON®
15TG Series Welding Gun Parts
Used on FM-140 A, YA-204, YA-212, MM140SL, MM250SL



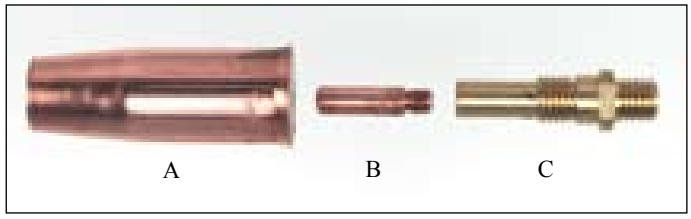
Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle 1/2"	M3T-N50	M3T-N50	$ 14.95
B	.023" Contact Tip	M3-T25	M3-T25	$ 2.60
	.030" Contact Tip	M3-T30	M3-T30	$ 2.60
	.035" Contact Tip	M3-T35	M3-T35	$ 2.60
C	Insulated Bushing	M3T-B	M3T-B	$ 10.95
D	Gas Diffuser	M3T-D	M3T-D	$ 13.95
	Complete MIG Gun	15TG10	15TG10	$ 249.95

SOLAR®
Tweco® Mini MIG Welding Gun Parts
Used on Solar® 2110, 2114, 2115, 2120, 2125, 2130, 2140, 2150, 2160, 2175



Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	4328	S4328B (Pkg 3)	$ 18.71
	Spot Weld Nozzle	4329	S4329	$ 8.21
B	.023" Contact Tip	4309	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	4310	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	4311	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	334-228-000	S4228	$ 3.71
	Complete MIG Gun	4320	S4320-T	$135.00

SOLAR®
Tweco® #1 Welding Gun Parts
Used on Solar® 2225



Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	4328	S4328B (Pkg 3)	$18.71
	Spot Weld Nozzle	4329	S4329	$ 8.21
B	.023" Contact Tip	4309	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	4310	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	4311	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	334-363-000	S4228-1	$ 3.71

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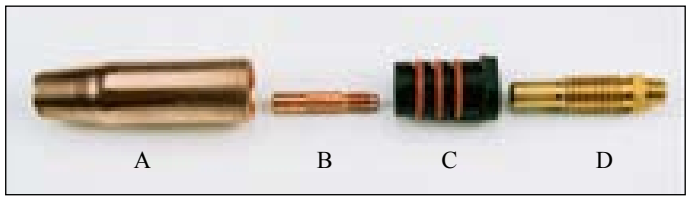
HTP MIG Gun Parts

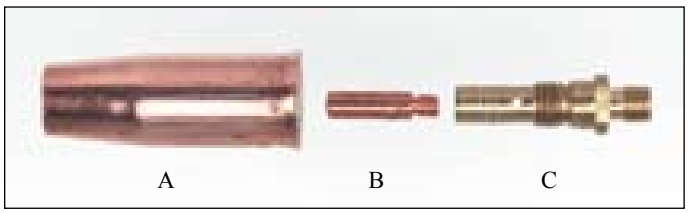
Compatible with the following welding guns.

SYSTEMATICS®
15TG Series Welding Gun Parts



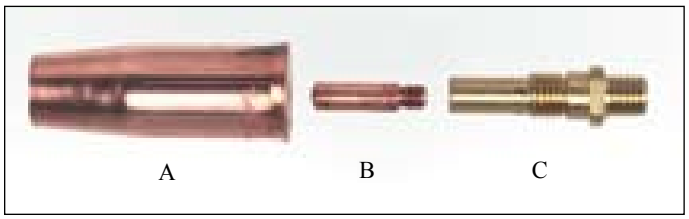
Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle 1/2"	M3T-N50	M3T-N50	$ 14.95
B	.023" Contact Tip	M3-T25	M3-T25	$ 2.60
	.030" Contact Tip	M3-T30	M3-T30	$ 2.60
	.035" Contact Tip	M3-T35	M3-T35	$ 2.60
C	Insulated Bushing	M3T-B	M3T-B	$ 10.95
D	Gas Diffuser	M3T-D	M3T-D	$ 13.95
	Complete MIG Gun	15TG10	15TG10	$249.95

TWECO®
Mini-MIG® Welding Gun Parts



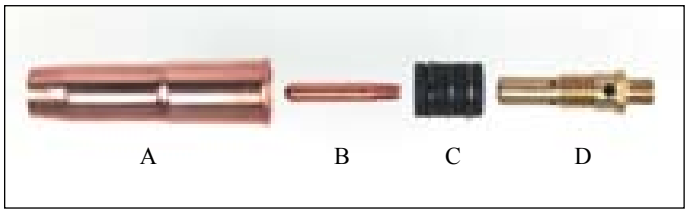
Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	21-50	S4328B (Pkg 3)	$18.71
	Spot Weld Nozzle	21-62FAS	S4329	$ 8.21
B	.023" Contact Tip	11-23	15023B (Pkg 5)	$ 3.71
	.030" Contact Tip	11-30	15030B (Pkg 5)	$ 3.71
	.035" Contact Tip	11-35	15035B (Pkg 5)	$ 3.71
C	Gas Diffuser	35-50	S4228	$ 3.71

TWECO®
No. 1 MIG Welding Gun Parts



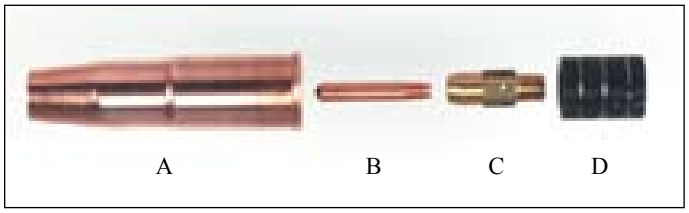
Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	21-50	S4328B (Pkg 3)	$18.71
	Spot Weld Nozzle	21-62FAS	S4329	$ 8.21
B	.023" Contact Tip	11-23	15023B (Pkg 5)	$ 3.71
	.030v Contact Tip	11-30	15030B (Pkg 5)	$ 3.71
	.035v Contact Tip	11-35	15035B (Pkg 5)	$ 3.71
	.045" Contact Tip	11-45	15045B (Pkg 5)	$ 3.71
C	Gas Diffuser	51	S4228-1	$ 3.71

TWECO®
No. 2 MIG Welding Gun Parts



Illus #	Description	Oem Part #	HTP Part #	Price
A	Conical Nozzle	22-50	HP22-50	$ 5.96
	Spot Nozzle	22-62FAS	HP22-62FAS	$ 20.36
B	.023" Contact Tip	14-23	HP14-23B (Pkg 5)	$ 3.38
	.030" Contact Tip	14-30	HP14-30B (Pkg 5)	$ 3.38
	.035" Contact Tip	14-35	HP14-35B (Pkg 5)	$ 3.38
	.045" Contact Tip	14-45	HP14-45B (Pkg 5)	$ 3.38
C	Insulator	32	HP32	$ 1.88
D	Gas Diffuser	52	HP52	$ 5.25

TWECO®
No. 4 MIG Welding Gun Parts



Illus #	Description	Oem Part #	HTP Part #	Price
A	Gas Nozzle	24A-50	HP24A-50B (Pkg 3)	$7.46
B	.023" Contact Tip	14-23	HP14-23B (Pkg 5)	$3.38
	.030" Contact Tip	14-30	HP14-30B (Pkg 5)	$3.38
	.035" Contact Tip	14-35	HP14-35B (Pkg 5)	$3.38
	.045" Contact Tip	14-45	HP14-45B (Pkg 5)	$3.38
C	Gas Diffuser	54A	HP54A	$2.99
D	Insulator	34A	HP34A	$2.24

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Striker Helmets

The Easiest Way to Become a Better Welder

I can't believe it, but we introduced our Striker Auto-darkening Helmets way back in 1992, And after years, welders still love their performance.

So we stayed with the tried and true Striker design. Fast switching speed and High Transmission Light State (HTLS for short) making it easier to see through the lens when you aren't welding. A good solid, two-year warranty. But we still found ways to improve these popular helmets. A new Striker Digital, and new light weight helmet shells.

How do auto-darkening helmets work? Put very simply, when you strike the welding arc, the light from the arc is sensed by a photo electric eye on the auto-darkening cartridge. The eye sends a signal to a solid state circuit board in the cartridge that is powered by batteries providing 700 hours of welding time. The circuit board then applies a small electric current to the welding lens which makes it darken. And all of this happens in 1/25,000 of a second – making it the fastest auto-darkening helmet on the planet!

Striker Ultra XL

Are they safe? Well, 1/25,000 second is fast, but it's not the speed of light. However, OSHA requires that Auto-Darkening Welding Helmets have a passive safety device (something that will protect you from a flashburn all the time). This is the band pass filter, and it's what gives the lens its blue tint.

What exactly do we mean by "band pass"? It means only certain "bands" or "wavelengths" of light can pass through, while other "bands" can not. Simply put, the "band pass" filter lets visible light through, but filters out the infrared (IR) and ultra-violet (UV) – these are the damaging rays – to a shade 14.

The bottom line is this: if you have a Striker Helmet on your head, start welding, and for some reason forget to turn it on or it fails to darken, you have more protection from a flashburn than you would if you had a conventional helmet with a shade 12 lens in it. Personally, we wouldn't use anything else when welding.

Finally . . . all Striker Helmets use standard cover plates. Strikers are powered by standard batteries which are inexpensive and easily replaced. In addition, all Striker Helmets are backed by a two-year warranty.

Helmet Comparison Chart

Model	Striker CF	Striker Variable	Striker Ultra XL	Striker WCG	Striker Digital
Base Part #	90135-CF	90130-M	90130-60M	90130-WCG	90130-DIG
Viewing Area	1 3/4" x 3 7/8"	1 7/8" x 3 3/4"	2 1/2" x 3 3/4"	2 1/2" x 3 3/4"	2 1/2" x 3 3/4"
Light State	4	2.75	2.75	2.75	2.75
Dark State	13	9 to 12	9 to 12	9 to 12	9 to 12
Switching Speed	1/25,000 sec	1/25,000 sec	1/25,000 sec	1/25,000 sec	1/25,000 sec
Sensitivity	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Opening Delay	.25	1 to 1.0	1 to 1.0	1 to 1.0	1 to 1.0
Warranty	2 yr.	2 yr.	2 yr.	2 yr.	2 yr.
Batteries	Lithium	2 AAA	2 AAA	2 AAA	2 CR 2450 Lithium
Battery Life	5-10 yrs.	700 hrs.	700 hrs.	1200 hrs	1200 hrs
Automatic Off	Yes	Yes	Yes	Yes	Yes
Cover Plate	S777-01	12505	12505	12505	12505
Backing Plate	S777-03	12515	18403	18403	18403

Choose the Helmet that is Right for You!

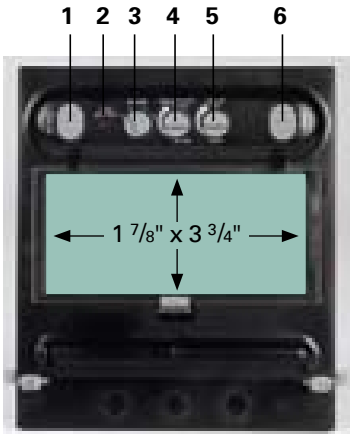
Striker Variable
The Striker Variable gives you a large viewing area – 1 7/8" x 3 3/4" (more than 7 sq. in.)! It also features an adjustable dark state. When the helmet darkens you can adjust what shade it darkens to, from 9 to 12. So if you are welding sheet metal at 25 amps, you might want a dark shade of 9. If you're blasting 1/2" steel together at 240 amps, you might want a dark shade of 12.

The Striker Variable also features adjustable sensitivity. This takes the surrounding lighting into account and is an important feature. For example if you are welding in bright sunlight, you want the arc, instead of the sun, to darken the helmet. The Striker Variable lets you adjust the sensitivity so only the welding arc, and not the sun, darkens the helmet.

The Striker Variable also features an adjustable opening delay. This important feature allows you to control the amount of time it takes for the helmet to go back to the light state after you've stopped welding. This works great for stitch welding: set the opening delay to the maximum setting so the lens stays dark while the welder is automatically welding and pausing.

The Striker Variable also has separate on and off buttons. When you're finished welding, you can turn the lens off. If you forget, however, the lens will shut itself off automatically after it has not sensed an arc for 15 minutes. We recommend the Striker Variable for all MIG, TIG and Stick welding applications.

Striker Variable	**90130-M**	**$ 174.95**
Lightweight	**90130-ML**	**$ 189.95**



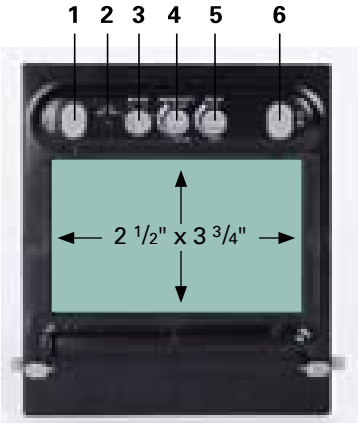
Striker Variable Controls
1. Off Button
2. Low Battery LED
3. Shade Adjustment
4. Sensitivity Adjustment
5. Open Delay Adjustment
6. On Button

Striker Variable

Striker Ultra XL
The Striker Ultra XL gives you an even larger viewing area – 2 1/2" x 3 3/4" (almost 9 1/2 sq. in. of viewing area). One of the largest in the industry! It has all of the other features of the Striker Variable: adjustable dark state from 9 to 12, adjustable sensitivity and opening delay, on and off buttons, auto off feature, and HTLS technology (a light state of 2.75).

Hands down, this is our largest selling welding helmet. Why? Because everybody wants the BIG WINDOW . . . and the Striker Ultra XL has the biggest window around. Compare features, helmets and price, and you won't find a better value in a welding helmet anywhere!

Striker Ultra XL	**90130-60M**	**$ 199.95**
Lightweight	**90130-60ML**	**$ 214.95**



Striker Ultra XL Controls
1. Off Button
2. Low Battery LED
3. Shade Adjustment
4. Sensitivity Adjustment
5. Open Delay Adjustment
6. On Button

Striker Ultra XL

Black Striker Helmet

Our popular black Striker helmet with a comfortable frame. A traditional, straight forward look that works anywhere. The result is all-day comfort, every day.

Lightweight

This new helmet is the first in our line of lightweight helmets. This Metallic Bronze helmet has a comfortable, super lightweight frame. Tipping the scales at just 13.4 ounces – a full 30% less than the standard Striker. Wear this helmet and you'll be keeping it real.

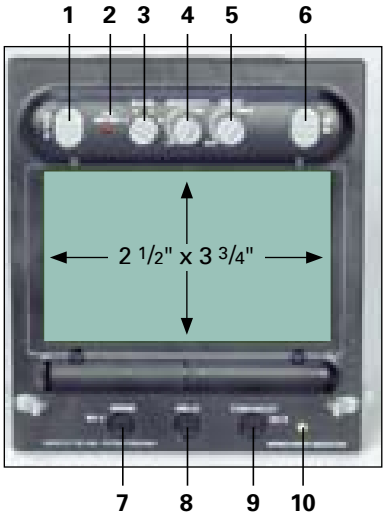
Striker WCG

The Striker WCG stands for Weld, Cut and Grind. If you are a serious fabricator, this is the helmet for you. Once again, this helmet offers all of the features of the Striker Ultra XL 2 1/2" x 3 3/4" viewing area (that great big window), adjustable dark state, adjustable sensitivity and opening delay, on and off buttons, auto off and HTLS (2.75 light state).

But the Striker WCG also gives you more. The three buttons at the bottom of the lens lets you select three different modes. Weld – for standard MIG, TIG, or Arc welding. Cut – fixes the lens in a shade 5 for using an oxy acetylene torch for cutting or welding. Grind – fixes the lens in it's light state of 2.75 so you can leave the helmet on for grinding. I recommend this state for plasma cutting! A plasma cutter does not throw off much of an arc, making it hard to see if you are trying to follow a line. The Grind mode of this helmet is perfect for plasma cutting – it lets visible light through at a shade 2.75 however gives you UV and IR protection to a shade 14 – now that is the ultimate in safety.

There is even more – the Striker WCG has a solar cell which extends the life of the batteries up to 50%. Want a versatile helmet that will do everything? Then look no further, the Striker WCG is you answer!

Striker WCG	**90130-WCG**	**$ 229.95**
Lightweight	**90130-WCGL**	**$ 244.95**

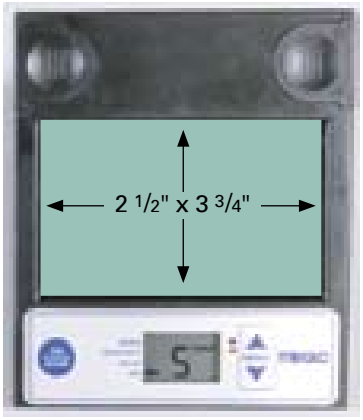


Inside view of Striker WCG

Striker WCG Controls

1. Off Button
2. Low Battery LED
3. Shade Adjustment
4. Sensitivity Adjustment
5. Open Delay Adjustment
6. On Button
7. Grind Button (SH 3)
8. Weld Button
9. Cut Button (SH 5)
10. Grind/Cut LED

Striker Digital



If you want the ultimate in auto-darkening lens technology, then look no further than the Striker Digital! This remarkable helmet has all the features of our Striker WCG – Large window viewing area, adjustable dark state, adjustable sensitivity, opening delay, auto off and HTLS (2.75 light state) and the Weld, Cut and Grind modes all adjusted by a precise digital control. The soft touch control panel is easy for large fingers to adjust. You can quickly and precisely select the welding modes, dark state, sensitivity, and opening delay to the exact welding needs. And with the large digital readout, you won't need your cheaters to see the settings!

The Striker Digital has four sensors in a staggered design to make sure that it never misses an arc. The Striker Digital also has a solar cell to extend the life of the batteries, so it will work as hard as you do.

The Striker Digital – it is the only welding helmet that is as good as you are!

Striker Digital	**90130-DIG**	**$ 259.95**
Lightweight	**90130-DIGL**	**$ 274.95**

Magnifiers for Striker Helmets

For our friends who wear Bi-focals:
Let's face it, some of you wear bi-focal glasses. I've heard the complaints: your glasses fog up, you have a hard time lining up the bi-focal lens and the welding lens at the same time, and so on. Well, did you know there are magnifying lenses (commonly called "cheater lenses") available? These magnifying lenses come in different magnifications to match your bi-focal prescription. They fit all helmets which use standard 2" x 4 1/4" lenses and fit all the Striker Helmets (XL, WCG and Digital's all require an adapter). If you wear bi-focals, then try one of our magnifiers – it's sure to make your welding much easier!

Part #	Description		
18100	HTP Magnifier	1.00 Diopter	**$ 5.00**
18150	HTP Magnifier	1.50 Diopter	**$ 5.00**
18200	HTP Magnifier	2.00 Diopter	**$ 5.00**
18250	HTP Magnifier	2.50 Diopter	**$ 5.00**
0745 0040	Adapter for XL, WCG and Digital Helmets		**$ 4.50**

Striker CF Welding Helmet #90130-OCF

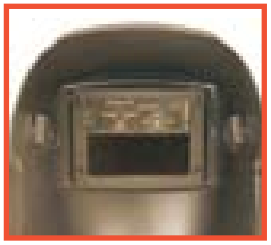
New

List Price $129.95 **Sale $74.95**

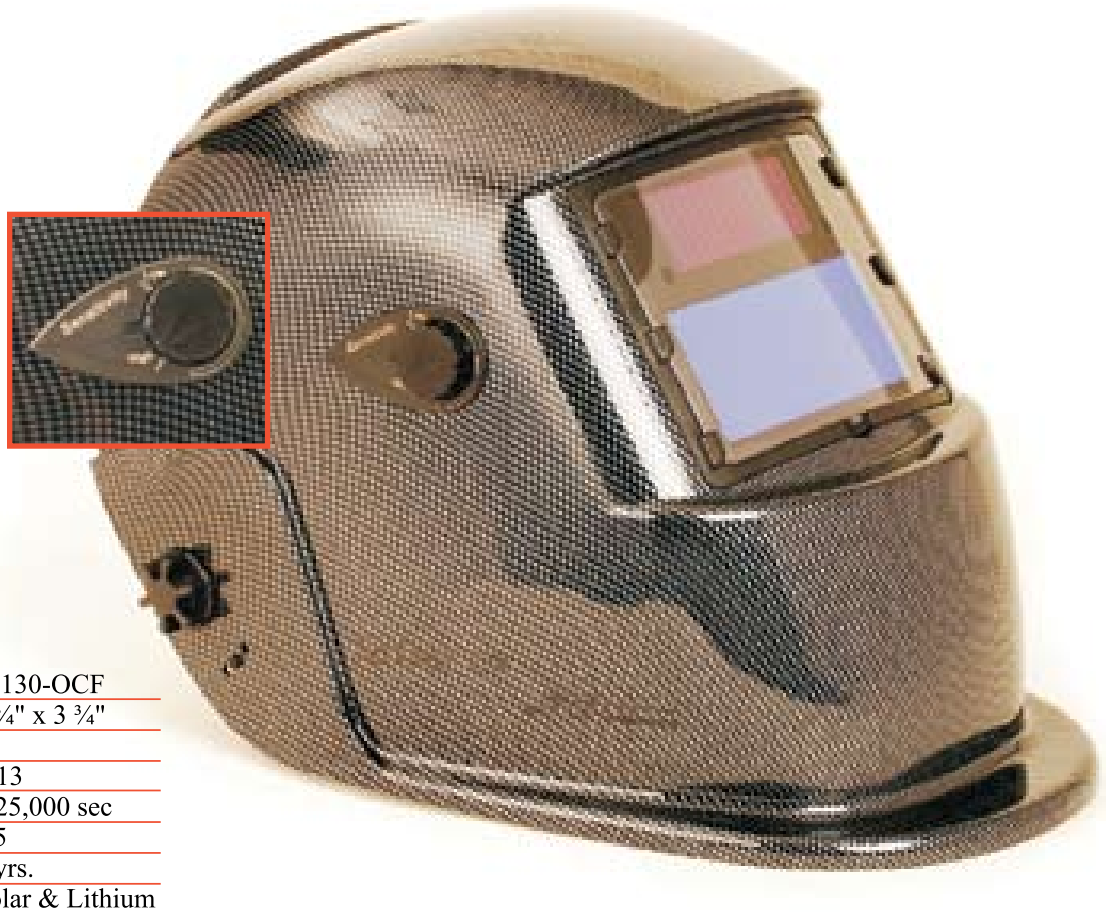
HTP has added a new, extremely affordable, sharp looking helmet to our Striker line-up of auto darkening helmets, the Striker CF welding helmet. The Striker CF boasts a 1¾" x 3 ¾" viewing area or a full 6 ½ square inches, which allows you to easily see what you are working on, and it darkens in the same super fast time – adjusting from light to dark in 1/25,000th of a second. This new, extremely light weight helmet, weighing in at only 19.7 oz, has a beautiful carbon-fiber like look to it and has both the shade adjustment and light sensitivity knobs externally mounted – enabling you to easily adjust the shade and sensitivity of your helmet while you work. Shade can be adjusted from shade 8 to shade 13. This helmet also features a cushioned headband for comfort and offers the ability to adjust how far away the lens is from your face.

The Striker CF is suitable for both MIG and TIG welding and also has a plasma cutting feature. Plasma cutting does not throw off much of an arc, however UV and IR protection is still required. With the Striker CF, you have the ability to lock the lens in the light state, shade 4, which still offers full UV and IR protection and let's you see what you are cutting. The Striker CF has two sensors that draw it's power from the welding arc, lithium batteries and comes with a two year warranty.

Front View



Interior



Specifications

Part Number	90130-OCF
Viewing Area	1 ¾" x 3 ¾"
Light State	4
Dark State	9-13
Switching Speed	1/25,000 sec
Opening Delay	.25
Warranty	2 yrs.
Batteries	Solar & Lithium
Automatic Off	Yes
Cover Plate	S777-01
Backing Plate	S777-03

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Reader Safety Glasses

List Price $19.95 **Sale Price $14.95**

Have you ever caught yourself wearing your readers (also known as cheaters) under your safety glasses out in your shop? Or hoping your reading glasses offer you some type of safety protection? HTP has the answer! Safety glasses with a magnifier built right in! The Reader Safety glasses are a stylish, ergonomic, nylon frame with a seven base polycarbonate lens for the ultimate in protection and style. The bridge of the glasses contain a soft rubber nose pad with self adjusting fingers for extended comfort. The Reader Safety glasses are available in clear, yellow and brown wraparound lenses for great peripheral vision and come in a variety of diopter strengths. The Reader Safety glasses have a 99.9% ultraviolet protection up to 400 nanometers and exceed ANSI Z87.1 – 2003 high velocity industrial safety protection standards.

Part #	Description	
3011716	Clear Safety Glasses with 1.0 Magnifier	**$14.95**
3011717	Clear Safety Glasses with 1.5 Magnifier	**$14.95**
3011718	Clear Safety Glasses with 2.0 Magnifier	**$14.95**
3011719	Clear Safety Glasses with 2.5 Magnifier	**$14.95**
3011724	Yellow Safety Glasses with 1.5 Magnifier	**$14.95**
3011725	Yellow Safety Glasses with 2.0 Magnifier	**$14.95**
3011726	Yellow Safety Glasses with 2.5 Magnifier	**$14.95**
3011712	Brown Safety Glasses with 1.5 Magnifier	**$14.95**
3011713	Brown Safety Glasses with 2.0 Magnifier	**$14.95**
3011714	Brown Safety Glasses with 2.5 Magnifier	**$14.95**

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